

# BRTIRUS0401A

六轴机器人  
Six-axis Robot

Product Details  
产品详情



BRTIRUS0401A是伯朗特针对微小型零部件作业环境设计的一款六轴机器人,它适用于小型零部件组装、分拣、检测等作业,在同等级负载的六轴机器人中具有最高水平运行速度和较为广泛的运行范围,具有高精度、高速度和高灵活性的特点。

BRTIRUS0401A is designed by BORUNTE. for the operation environment of micro and small parts. It is suitable for small parts assembly, sorting, detection and other operations, and it has the highest level of operation speed and a wide range of operation among six-axis robots with the same load. It features high precision, high speed and high flexibility.

## 主要规格

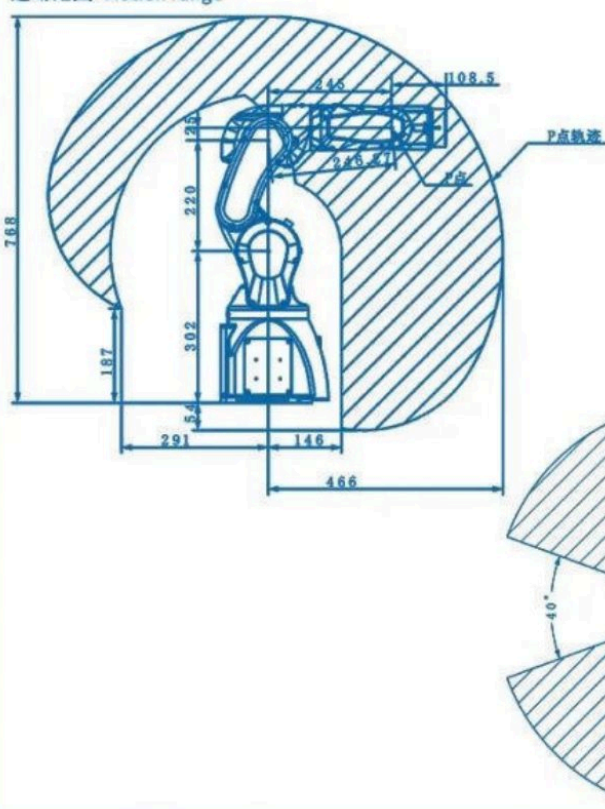
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm |             |            | 手腕 Wrist |        |        |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|--------|-------------|------------|----------|--------|--------|
|                          |                             |                                 |                               |                        |                   | J1     | J2          | J3         | J4       | J5     | J6     |
| 574                      | 1                           | ±0.06                           | 2.03                          | ≈21                    | 范围<br>Range       | ±160°  | -120°/+160° | -60°/+180° | ±180°    | ±110°  | ±360°  |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 340°/s | 297°/s      | 337°/s     | 562°/s   | 600°/s | 600°/s |

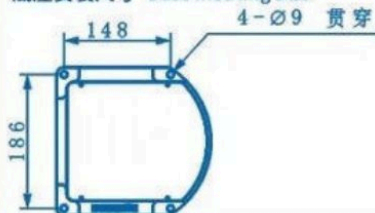
## 基本尺寸

## Basic size

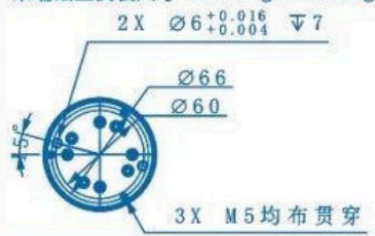
运动范围 Motion range



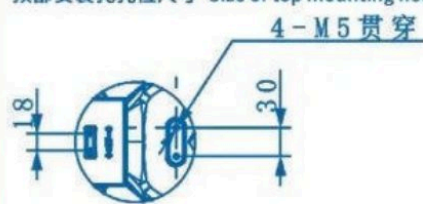
底座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



顶部安装孔位尺寸 Size of top mounting hole



因改良等原因,规格及外观有所变更时,不再另行通知,敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRUS0707A

六轴机器人  
Six-axis Robot

Product Details  
产品详情



BRTIRUS0707A是伯朗特针对某些单调、频繁和重复的长时间作业,或是危险、恶劣环境下的作业等而开发的一款六轴机器人,具有多自由度的灵活性,对打磨、装配、喷涂等场景能够应对自如。防护等级高: IP65, 防尘防水。

BRTIRUS0707A type robot is a six-axis robot that developed by BORUNTE for some monotonous, frequent and repetitive long-term operations or operations in dangerous and harsh environments. It's flexible with multiple degrees of free dom. Suitable for polishing, assembling, painting, etc. The protection grade reaches IP65.Dust-proof and water-proof.

## 主要规格

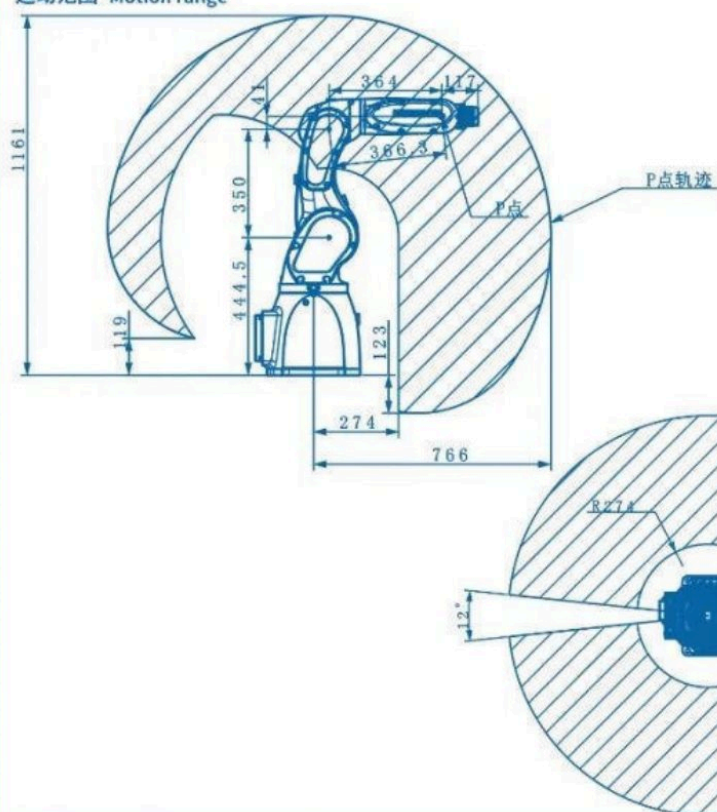
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm   |            |            | 手腕 Wrist |        |        |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|----------|------------|------------|----------|--------|--------|
|                          |                             |                                 |                               |                        |                   | J1       | J2         | J3         | J4       | J5     | J6     |
| 883                      | 7                           | ±0.03                           | 2.93                          | ≈55                    | 范围<br>Range       | ±174°    | -125°/+85° | -60°/+165° | ±180°    | ±120°  | ±360°  |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 220.8°/s | 270°/s     | 375°/s     | 308°/s   | 300°/s | 342°/s |

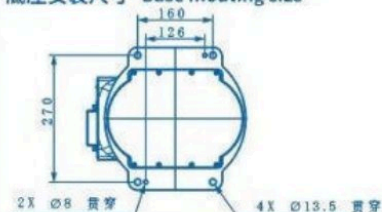
## 基本尺寸

## Basic size

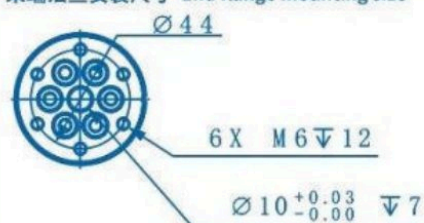
运动范围 Motion range



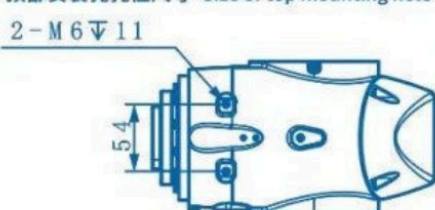
底座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



顶部安装孔孔位尺寸 Size of top mounting hole



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# BRTIRUS0805A

六轴机器人  
Six-axis Robot

Product Details  
产品详情



BRTIRUS0805A 型机器人是伯朗特开发的一款六轴机器人,它整个系统操作简单、结构紧凑、定位精度高、动态性能好,其 5kg 的负载能力尤其适用于注塑、取件、冲压、搬运、上下料、装配等领域,适用于注塑 30T-250T。

防护等级高: IP54, 防尘防水。

BRTIRUS0805A type robot is a six-axis robot developed by BORUNTE. The whole operation system is simple, compact structure, high position accuracy and has good dynamic performance. The load ability is 5kg, especially suitable for injection molding, taking, stamping, handling, loading and unloading, assembly, etc. It is suitable for injection molding machine range from 30T-250T.

The protection grade reaches IP54. Dust-proof and water-proof.

## 主要规格

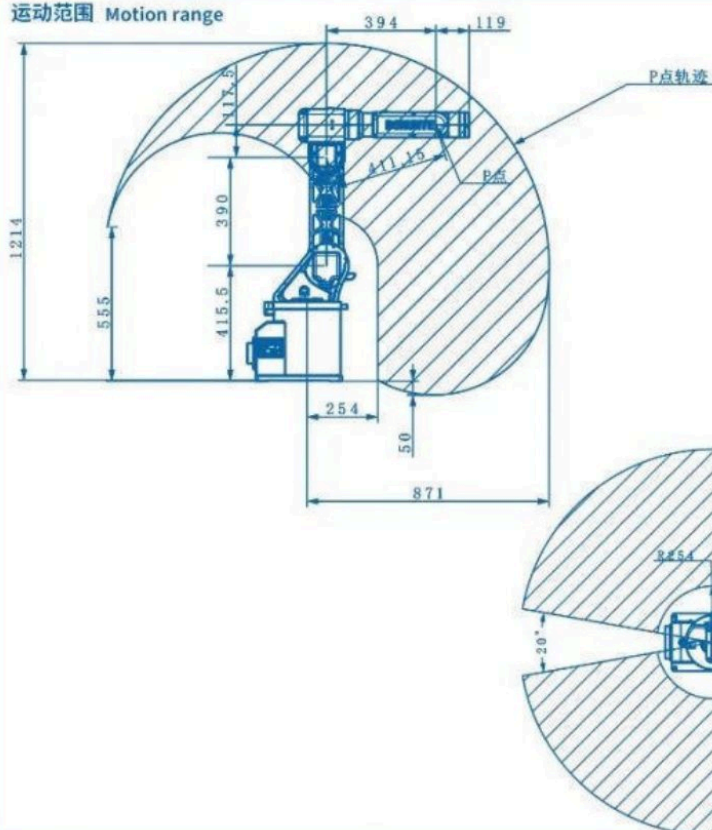
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item         | 手臂 Arm |           |           | 手腕 Wrist |        |        |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|--------------------|--------|-----------|-----------|----------|--------|--------|
|                          |                             |                                 |                               |                        |                    | J1     | J2        | J3        | J4       | J5     | J6     |
| 990                      | 5                           | ±0.05                           | 3.67                          | ≈53                    | 范围<br>Range        | ±170°  | -98°/+80° | -80°/+95° | ±180°    | ±120°  | ±360°  |
|                          |                             |                                 |                               |                        | 最大速度<br>Max. speed | 237°/s | 267°/s    | 370°/s    | 337°/s   | 600°/s | 588°/s |

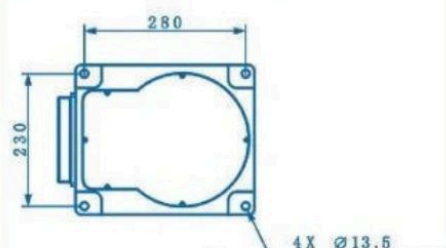
## 基本尺寸

## Basic size

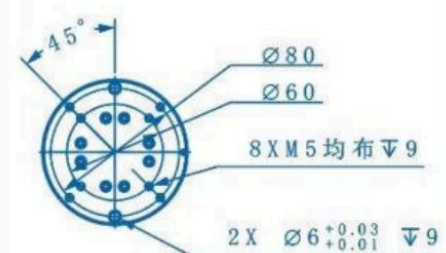
运动范围 Motion range



底座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



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# BRTIRWD1506A

六轴机器人  
Six-axis Robot

Product Details  
产品详情

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BRTIRWD1506A是伯朗特针对焊接应用行业开发的六轴机器人。机器人结构紧凑、体积小、重量轻。腕部采用中空结构，走线更方便、动作更灵活。

BRTIRWD1506A type robot is a six-axis robot developed by BORUNTE for the development of the welding application industry. The robot has compact structure, small volume and light weight. The wrist applies hollow structure with more convenient trace and flexible action.

## 主要规格

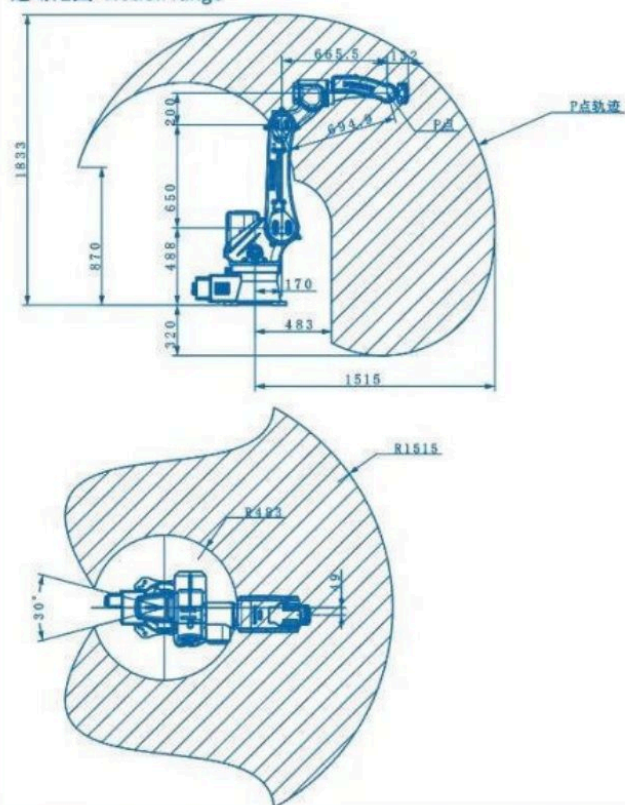
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm |            |        | 手腕 Wrist |        |        |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|--------|------------|--------|----------|--------|--------|
|                          |                             |                                 |                               |                        |                   | J1     | J2         | J3     | J4       | J5     | J6     |
| 1647                     | 6                           | ±0.05                           | 4.64                          | ≈166                   | 范围<br>Range       | ±165°  | -100°/+70° | ±80°   | ±150°    | ±110°  | ±360°  |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 163°/s | 149°/s     | 223°/s | 169°/s   | 270°/s | 398°/s |

## 基本尺寸

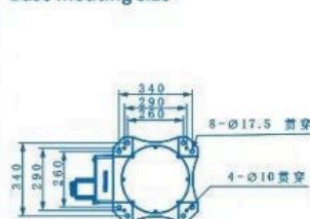
## Basic size

运动范围 Motion range



底座安装尺寸

Base mounting size



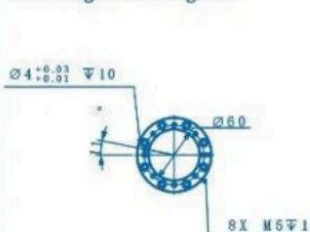
送丝机安装孔位

Wire feeder mounting size



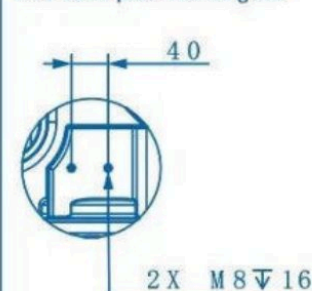
末端法兰安装尺寸

End flange mounting size



送丝盘安装孔位

Wire feeder plate mounting size



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# BRTIRUS1510A

六轴机器人  
Six-axis Robot

Product Details  
产品详情



BRTIRUS1510A是伯朗特针对多自由度的复杂应用而开发的六轴机器人。采用轻量式手臂设计,机械结构紧凑、简洁,在高速运动状态下,能够在狭小工作空间内进行灵活作业,满足柔性化生产需要。具有六个自由度的灵活性,对上下料、注塑、压铸、装配、涂胶、打磨、检测等场景能够随心所欲。防护等级高: IP54, 防尘防水。

BRTIRUS1510A is a six-axis robot developed by BO-RUNTE for complex applications with multiple degrees of freedom. Light weight arm design, compact and simple mechanical structure, in the state of high speed movement, can be carried out in a small workspace flexible work, meet the needs of flexible production. It has six degrees of flexibility. Suitable for painting, welding, molding, stamping, forging, handling, loading, assembling, etc. The protection grade reaches IP54. Dust-proof and water-proof.

## 主要规格

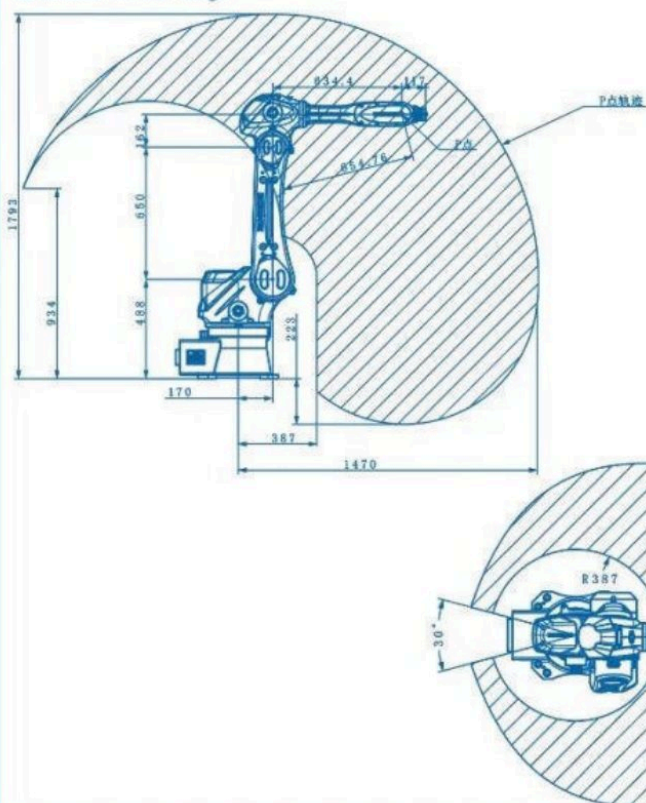
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item         | 手臂 Arm |           |           | 手腕 Wrist |        |        |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|--------------------|--------|-----------|-----------|----------|--------|--------|
|                          |                             |                                 |                               |                        |                    | J1     | J2        | J3        | J4       | J5     | J6     |
| 1587                     | 10                          | ±0.05                           | 5.06                          | ≈152                   | 范围<br>Range        | ±165°  | -95°/+70° | -85°/+75° | ±180°    | ±115°  | ±360°  |
|                          |                             |                                 |                               |                        | 最大速度<br>Max. speed | 190°/s | 173°/s    | 223°/s    | 254°/s   | 270°/s | 342°/s |

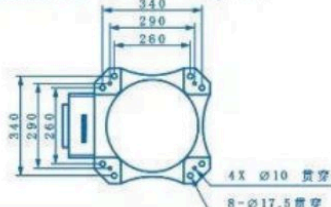
## 基本尺寸

## Basic size

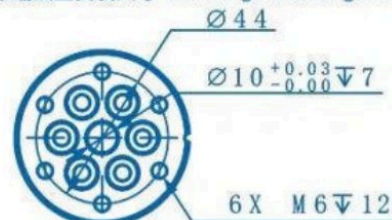
运动范围 Motion range



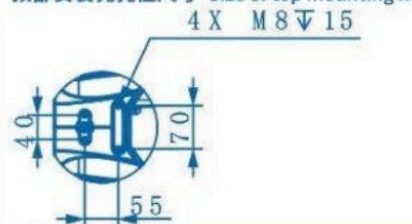
底座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



顶部安装孔孔位尺寸 Size of top mounting hole



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# BRTIRXZ1515A

六轴机器人(轻量化)  
Six axis robot  
(lightweight)

## Product Details

产品详情

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BRTIRXZ1515A是伯朗特自主研发的一款带拖动示教功能的六轴机器人(轻量化)。具有碰撞检测、3D视觉识别和轨迹复现等功能。同时具有安全高效、智能易用、灵活轻巧、经济可靠和低功耗等特点,大大满足客户对人机协作方面的需求。其高灵敏性和快响应性可适用于高密度的柔性化生产线,满足产品包装、注塑、上下料、装配等作业需要,尤其对 人机协同作业的应用需求,更是出类拔萃。

防护等级高: IP65, 防尘防水。

BRTIRXZ1515A is a Six axis robot (lightweight) with drag-teaching function independently developed by BO-RUNTE. It has the functions of collision detection, 3D Visual Recognition and track reproduction. It is safe and efficient, intelligent and easy to use, flexible and light, economical and reliable, low power consumption and other characteristics, which greatly meet the needs in man-machine cooperation. Its high sensitivity and quick response can be applied to high density flexible production line, to meet the needs of product packaging, injection molding, loading and unloading, assembly and other operations, especially for man-machine collaborative work application demand. The protection grade reaches IP65. Dust-proof and water-proof.

### 主要规格

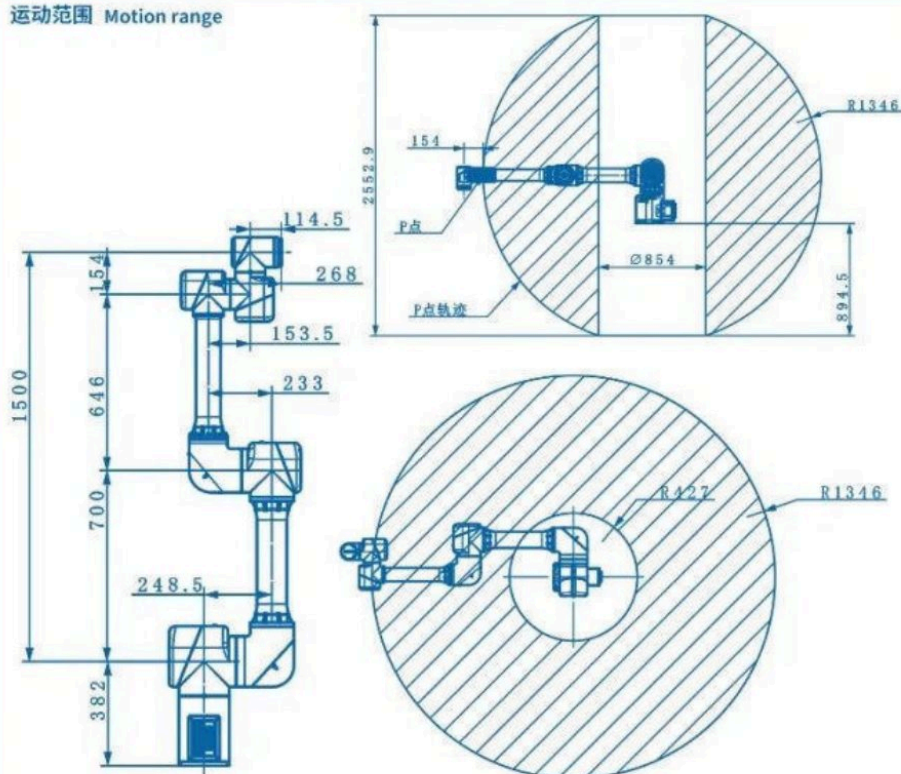
### Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm |        |            | 手腕 Wrist |        |        |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|--------|--------|------------|----------|--------|--------|
|                          |                             |                                 |                               |                        |                   | J1     | J2     | J3         | J4       | J5     | J6     |
| 1500                     | 15                          | ±0.08                           | 5.5                           | ≈63                    | 范围<br>Range       | ±180°  | ±180°  | -65°/+250° | ±180°    | ±180°  | ±360°  |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 120°/s | 113°/s | 106°/s     | 181°/s   | 181°/s | 181°/s |

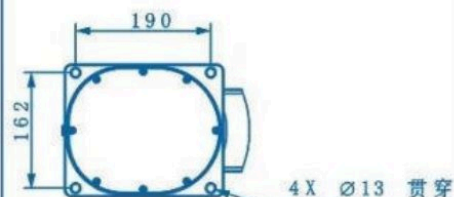
### 基本尺寸

### Basic size

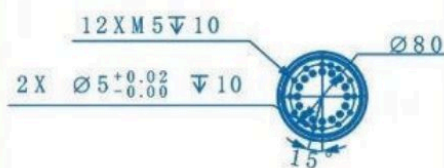
运动范围 Motion range



底座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



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# BRTIRUS1820A

六轴机器人  
Six-axis Robot

Product Details  
产品详情



BRTIRUS1820A是伯朗特针对多自由度的复杂应用而开发的六轴机器人。采用轻量式手臂设计，机械结构紧凑、简洁，在高速运动状态下，能够在狭小工作空间内进行灵活作业，满足柔性化生产需要。具有六个自由度的灵活性，对上下料、注塑、压铸、装配、涂胶、打磨、检测等场景能够随心所欲。防护等级高：手腕 IP54、本体 IP40。

BRTIRUS1820A is a six-axis robot developed by BORUNTE for complex applications with multiple degrees of freedom. Lightweight arm design, compact and simple mechanical structure, in the state of high speed movement, can be carried out in a small workspace flexible work, meet the needs of flexible production. It has six degrees of flexibility. Suit able for loading and unloading, injection machine, die casting, assembling, coating industry, polishing, detection etc. The protection grade reaches IP54 at the wrist and IP40 at the body.

## 主要规格

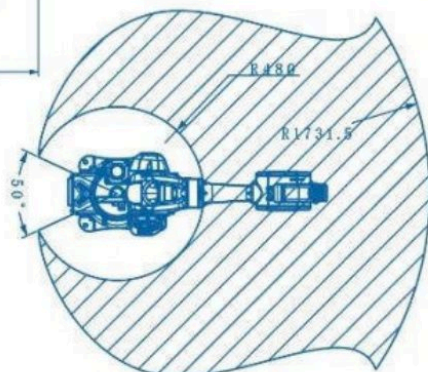
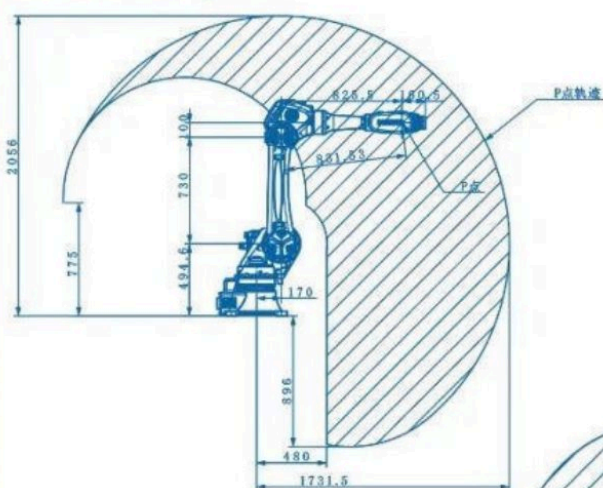
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm |            |            | 手腕 Wrist |        |        |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|--------|------------|------------|----------|--------|--------|
|                          |                             |                                 |                               |                        |                   | J1     | J2         | J3         | J4       | J5     | J6     |
| 1895                     | 20                          | ±0.05                           | 5.87                          | ≈230                   | 范围<br>Range       | ±155°  | -140°/+65° | -75°/+110° | ±180°    | ±115°  | ±360°  |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 110°/s | 140°/s     | 134°/s     | 273°/s   | 240°/s | 375°/s |

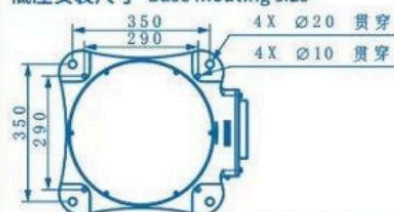
## 基本尺寸

## Basic size

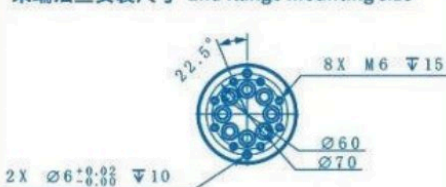
运动范围 Motion range



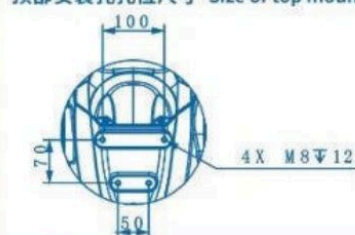
底座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



顶部安装孔位尺寸 Size of top mounting hole



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# BRTIRPH1920A

六轴机器人  
Six-axis Robot

Product Details  
产品详情

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BRTIRPH1920A是伯朗特针对某些单调、频繁和重复的长时间作业,或是危险、恶劣环境下的作业等而开发的一款六轴机器人.具有多自由度的灵活性,对上下料、搬运、拆垛、码垛、打磨等场景能够应对自如。

BRTIRPH1920A is a six axis robot developed by Borunte for long-duration monotonous, repetitive tasks, as well as operations in hazardous and harsh environments. Boasting multi-degree-of-freedom flexibility, it is well-suited for loading, unloading, handling, depalletizing, palletizing, grinding and other working scenarios.

## 主要规格

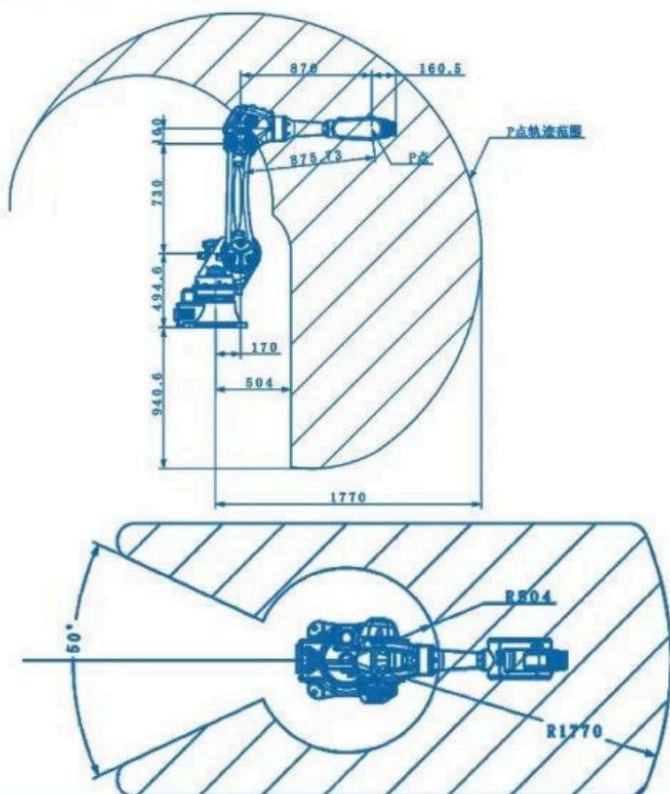
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm |            |            | 手腕 Wrist |        |        |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|--------|------------|------------|----------|--------|--------|
|                          |                             |                                 |                               |                        |                   | J1     | J2         | J3         | J4       | J5     | J6     |
| 1930.5                   | 20                          | ±0.05                           | 5.87                          | ≈230                   | 范围<br>Range       | ±155°  | -140°/+65° | -75°/+110° | ±180°    | ±140°  | ±360°  |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 110°/s | 146°/s     | 134°/s     | 273°/s   | 240°/s | 375°/s |

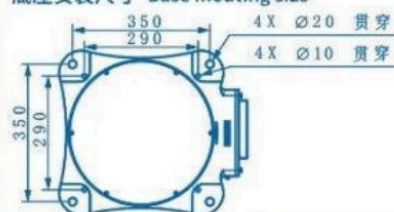
## 基本尺寸

## Basic size

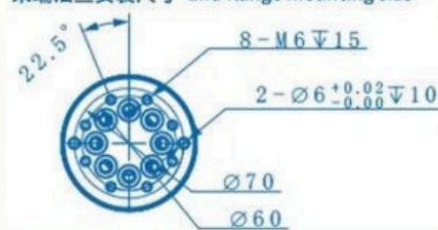
运动范围 Motion range



底座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



顶部安装孔位尺寸 Size of top mounting hole



因改良等原因,规格及外观有所变更时,不再另行通知,敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRSE2013A

六轴机器人  
Six-axis Robot

Product Details  
产品详情



BRTIRSE2013A是伯朗特针对喷涂应用行业开发的六轴机器人。该款机器人结构紧凑、高度灵活和技术先进,可以应用于广泛的喷涂行业,配件搬运领域。防护等级高: IP65, 防尘, 防水。

BRTIRSE2013A is a six-axis robot developed by BO-RUNTE for the spraying application industry. It has a compact structure, is highly flexible and technologically advanced, it can be applied to a wide range of spraying industry and accessories handling field. The protection grade reaches IP65. Dust-proof and water-proof.

## 主要规格

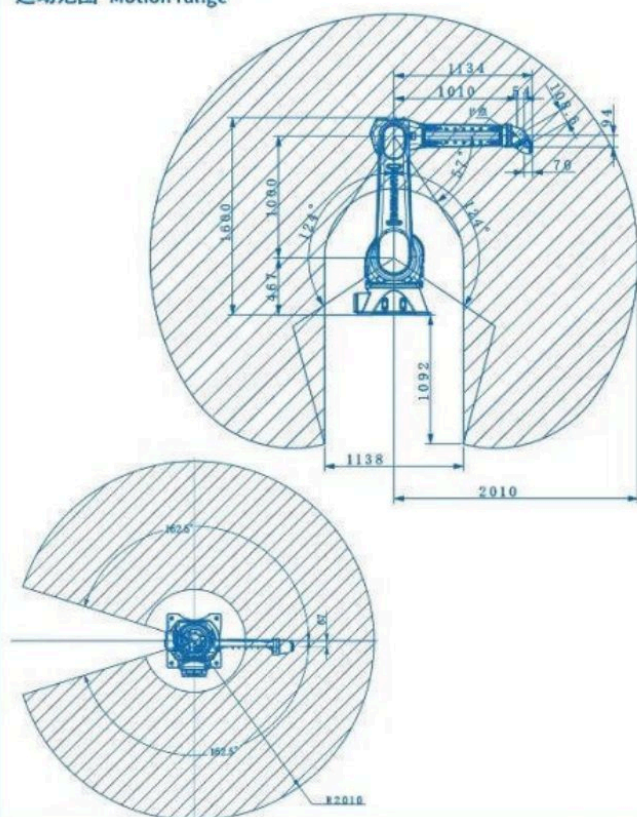
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item         | 手臂 Arm   |          |            | 手腕 Wrist |           |           |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|--------------------|----------|----------|------------|----------|-----------|-----------|
|                          |                             |                                 |                               |                        |                    | J1       | J2       | J3         | J4       | J5        | J6        |
| 2134                     | 13                          | ±0.5                            | 6.38                          | ≈385                   | 范围<br>Range        | ±162.5°  | ±124°    | -57°/+237° | ±180°    | ±180°     | ±360°     |
|                          |                             |                                 |                               |                        | 最大速度<br>Max. speed | 101.4°/s | 105.6°/s | 130.49°/s  | 368.4°/s | 415.38°/s | 545.45°/s |

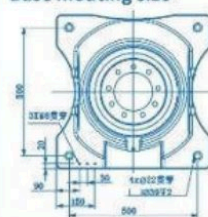
## 基本尺寸

## Basic size

运动范围 Motion range



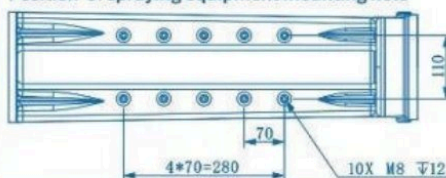
底座安装尺寸  
Base mounting size



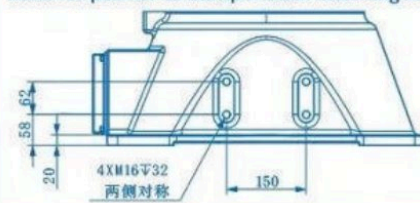
末端法兰安装尺寸  
End flange mounting size



喷涂设备安装孔位  
Position of spraying equipment mounting hole



搬运预留安装孔位  
Reserved position to transportation mounting hole



因改良等原因,规格及外观有所变更时,不再另行通知,敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRSE2013F

六轴机器人  
Six-axis Robot

Product Details  
产品详情

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BRTIRSE2013F是伯朗特针对喷涂应用行业开发的六轴机器人。该款机器人结构紧凑、高度灵活和技术先进,可以应用于广泛的喷涂行业,配件搬运领域。防护等级高: IP65, 防尘, 防水。

BRTIRSE2013F is a six-axis robot developed by BO-RUNTE for the spraying application industry. It has a compact structure, is highly flexible and technologically advanced, it can be applied to a wide range of spraying industry and accessories handling field. The protection grade reaches IP65. Dust-proof and water-proof.

## 主要规格

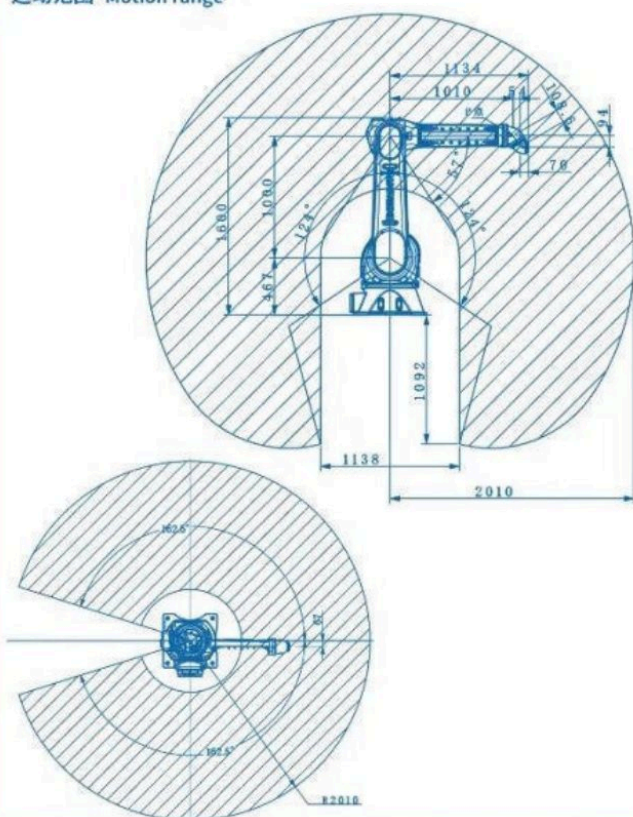
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item         | 手臂 Arm   |          |            | 手腕 Wrist |           |           |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|--------------------|----------|----------|------------|----------|-----------|-----------|
|                          |                             |                                 |                               |                        |                    | J1       | J2       | J3         | J4       | J5        | J6        |
| 2134                     | 13                          | ±0.5                            | 6.38                          | ≈385                   | 范围<br>Range        | ±162.5°  | ±124°    | -57°/+237° | ±180°    | ±180°     | ±360°     |
|                          |                             |                                 |                               |                        | 最大速度<br>Max. speed | 101.4°/s | 105.6°/s | 130.49°/s  | 368.4°/s | 415.38°/s | 545.45°/s |

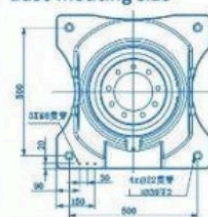
## 基本尺寸

## Basic size

运动范围 Motion range



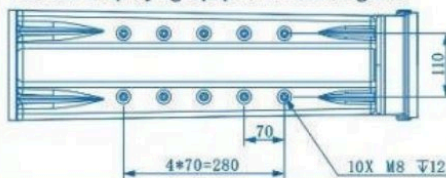
底座安装尺寸  
Base mounting size



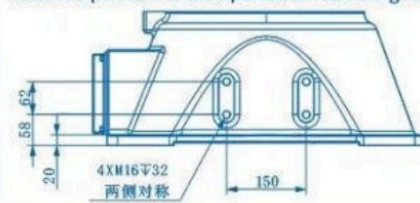
末端法兰安装尺寸  
End flange mounting size



喷涂设备安装孔位  
Position of spraying equipment mounting hole



搬运预留安装孔位  
Reserved position to transportation mounting hole



因改良等原因,规格及外观有所变更时,不再另行通知,敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRUS2030A

六轴机器人  
Six-axis Robot

Product Details  
产品详情



BRTIRUS2030A 是伯朗特针对多自由度复杂应用而开发的六轴机器人。六自由度的灵活性对注塑件取件、机床上下料、装配、搬运等场景能够应对自如。防护等级高:手腕 IP54、本体 IP40。

BRTIRUS2030A is a six-axis robot developed by BO-RUNTE for complex applications with multiple degrees of freedom. The flexibility of six degrees of freedom can be used to handle the scenes such as injection parts taking, machine loading and unloading, assembly and handling. The protection grade reaches IP54 at the wrist and IP40 at the body.

## 主要规格

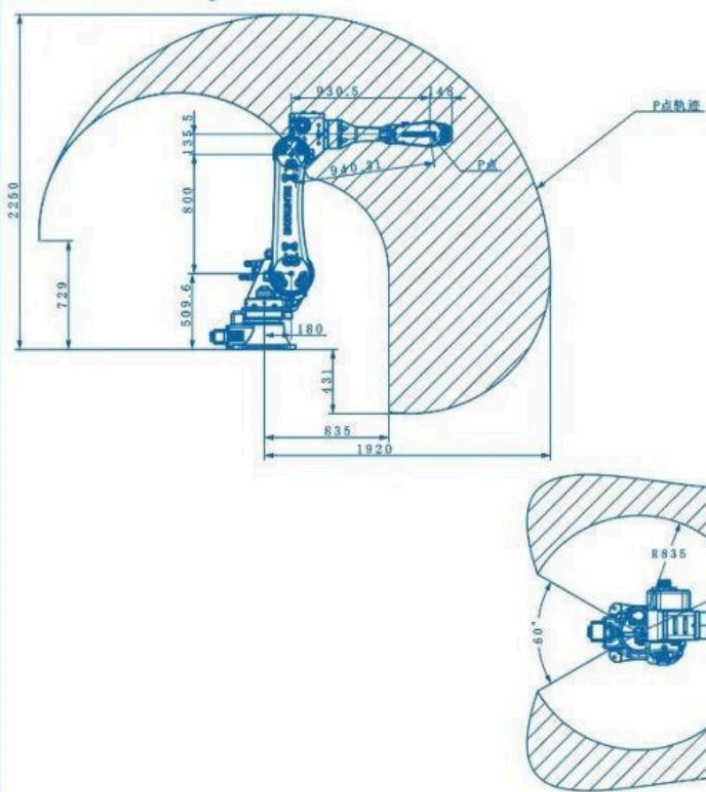
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm |           |            | 手腕 Wrist |        |        |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|--------|-----------|------------|----------|--------|--------|
|                          |                             |                                 |                               |                        |                   | J1     | J2        | J3         | J4       | J5     | J6     |
| 2068                     | 30                          | ±0.08                           | 6.11                          | ≈310                   | 范围<br>Range       | ±150°  | -90°/+70° | -55°/+105° | ±180°    | ±115°  | ±360°  |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 102°/s | 103°/s    | 123°/s     | 245°/s   | 270°/s | 337°/s |

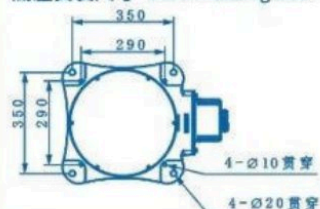
## 基本尺寸

## Basic size

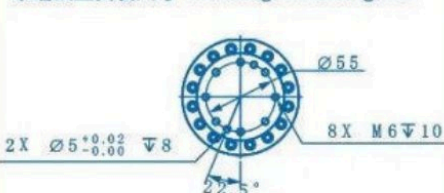
运动范围 Motion range



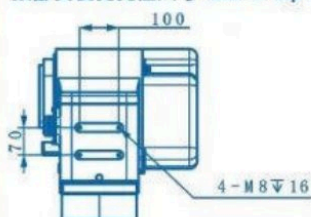
底座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



顶部安装孔孔位尺寸 Size of top mounting hole



因改良等原因,规格及外观有所变更时,不再另行通知,敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



## Product Details

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRWD2206A

六轴机器人  
Six-axis Robot

Product Details  
产品详情



BRTIRWD2206A是伯朗特针对焊接应用行业开发的六轴机器人。机器人结构紧凑、体积小、重量轻。腕部采用中空结构，走线更方便、动作更灵活。

BRTIRWD2206A type robot is a six-axis robot developed by BORUNTE for the development of the welding application industry. The robot has compact structure, small volume and light weight. The wrist applies hollow structure with more convenient trace and flexible action.

## 主要规格

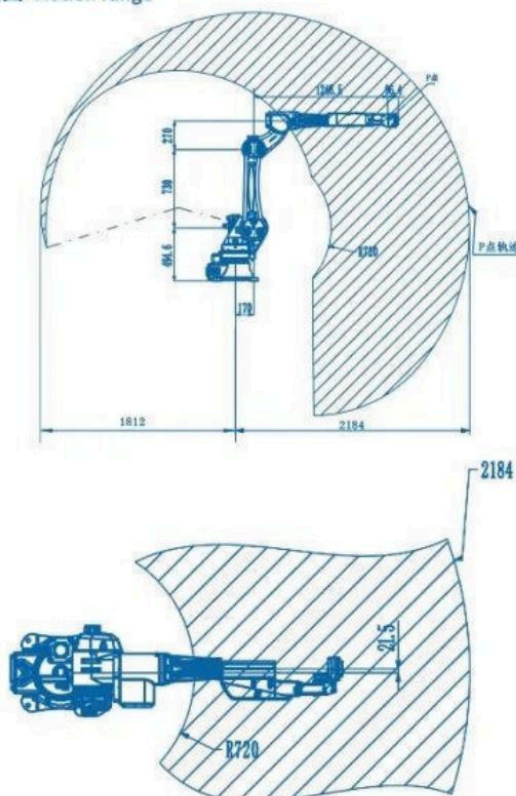
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm |            |            | 手腕 Wrist |             |        |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|--------|------------|------------|----------|-------------|--------|
|                          |                             |                                 |                               |                        |                   | J1     | J2         | J3         | J4       | J5          | J6     |
| 2280                     | 6                           | ±0.08                           | 5.38                          | ≈167                   | 范围<br>Range       | ±155°  | -130°/+68° | -75°/+110° | ±153°    | -130°/+120° | ±360°  |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 106°/s | 135°/s     | 128°/s     | 168°/s   | 324°/s      | 504°/s |

## 基本尺寸

## Basic size

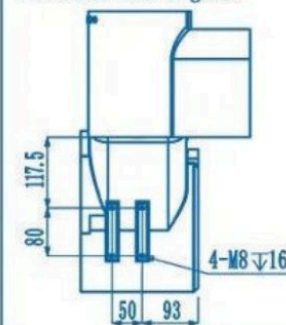
运动范围 Motion range



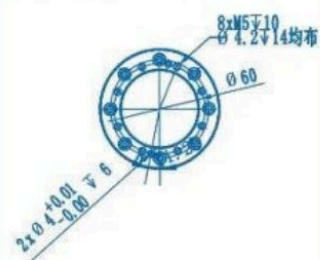
底座安装尺寸  
Base mounting size



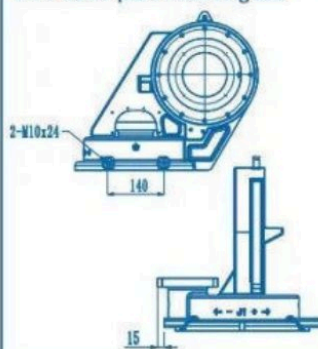
送丝机安装孔位  
Wire feeder mounting size



末端法兰安装尺寸  
End flange mounting size



送丝盘安装孔位  
Wire feeder plate mounting size



因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRUS2520B

六轴机器人  
Six-axis Robot

Product Details  
产品详情



BRTIRUS2520B是伯朗特针对某些单调、频繁和重复的长时间作业,或是危险、恶劣环境下的作业等而开发的一款六轴机器人,具有多自由度的灵活性,对上下料、搬运、码垛等场景能够应对自如。

BRTIRUS2520B type robot is a six-axis robot that developed by BORUNTE for some monotonous, frequent and repetitive long-term operations or operations in dangerous and harsh environments. It's flexible with multiple degrees of freedom. Suitable for loading and unloading, handling, stacking etc.

## 主要规格

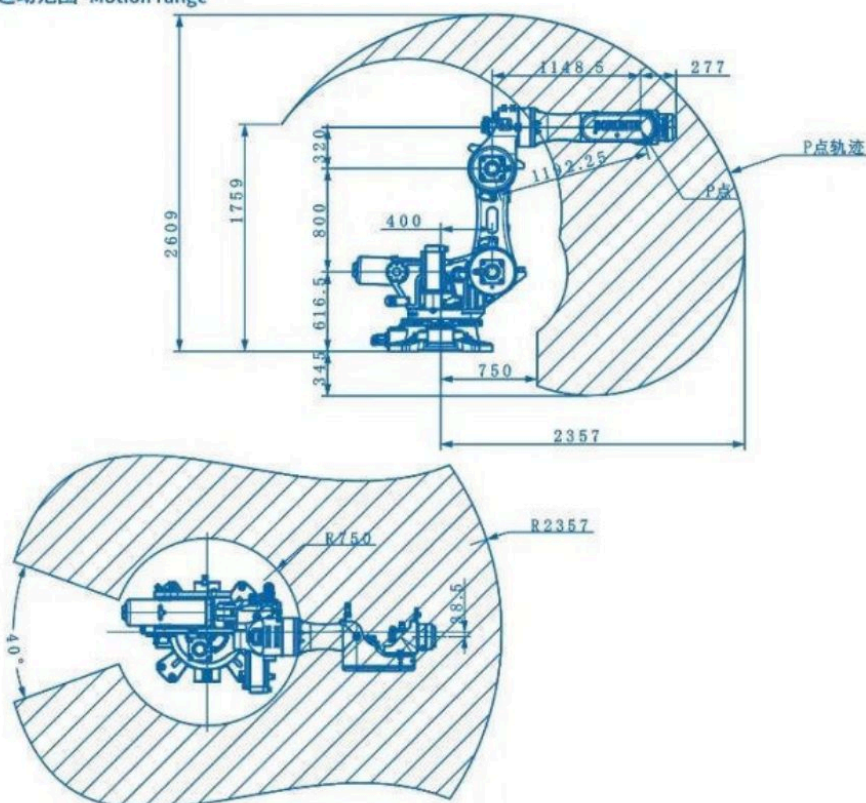
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm |           |            | 手腕 Wrist |        |        |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|--------|-----------|------------|----------|--------|--------|
|                          |                             |                                 |                               |                        |                   | J1     | J2        | J3         | J4       | J5     | J6     |
| 2637                     | 200                         | ±0.2                            | 9.58                          | ≈1106                  | 范围<br>Range       | ±160°  | -73°/+55° | -80°/+105° | ±180°    | ±95°   | ±360°  |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 63°/s  | 52°/s     | 52°/s      | 94°/s    | 101°/s | 133°/s |

## 基本尺寸

## Basic size

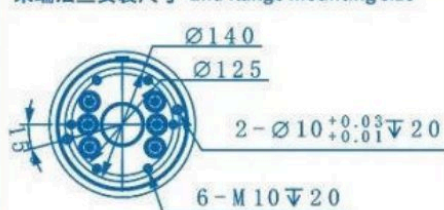
运动范围 Motion range



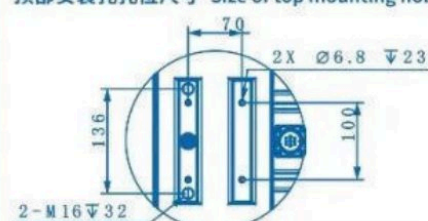
底座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



顶部安装孔孔位尺寸 Size of top mounting hole



因改良等原因,规格及外观有所变更时,不再另行通知,敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRUS2550A

六轴机器人  
Six-axis Robot

Product Details  
产品详情



BRTIRUS2550A是伯朗特针对多自由度的复杂应用而开发的一款六轴机器人。具有六个自由度的灵活性,对上下料、装配、注塑等场景能够应对自如。

BRTIRUS2550A type robot is a six-axis robot that developed by BORUNTE for some monotonous, frequent and repetitive long-term operations or operations in dangerous and harsh environments. It has six degrees of flexibility. Suitable for loading and unloading, assembling, molding, stacking etc.

## 主要规格

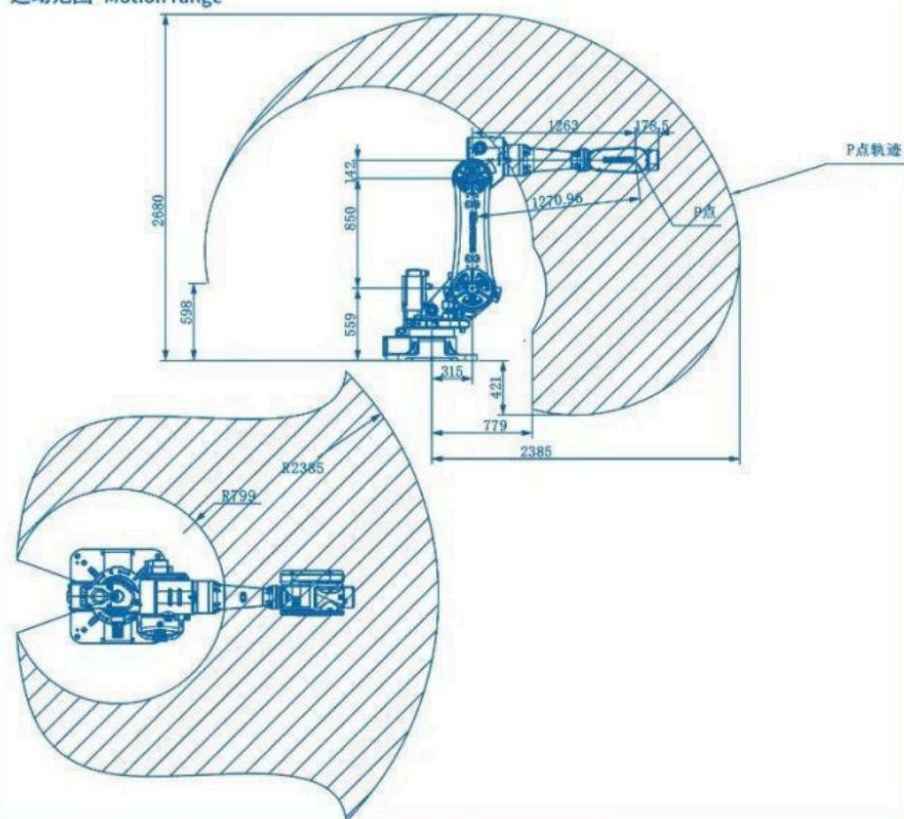
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm |       |            | 手腕 Wrist |        |        |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|--------|-------|------------|----------|--------|--------|
|                          |                             |                                 |                               |                        |                   | J1     | J2    | J3         | J4       | J5     | J6     |
| 2563                     | 50                          | ±0.1                            | 8.87                          | ≈725                   | 范围<br>Range       | ±160°  | ±70°  | -75°/+115° | ±180°    | ±125°  | ±360°  |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 84°/s  | 52°/s | 52°/s      | 245°/s   | 223°/s | 223°/s |

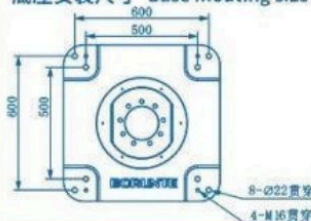
## 基本尺寸

## Basic size

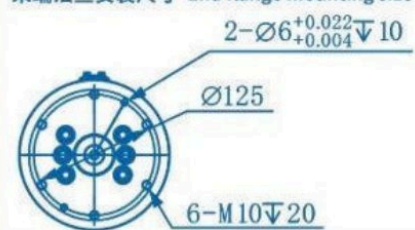
运动范围 Motion range



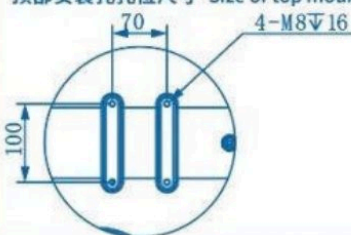
底座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



顶部安装孔孔位尺寸 Size of top mounting hole



因改良等原因,规格及外观有所变更时,不再另行通知,敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRUS2650A

六轴机器人  
Six-axis Robot

Product Details  
产品详情



BRTIRUS2650A是伯朗特开发的一款六轴机器人，机器人的外形结构紧凑，各关节均安装了高精度减速机，高速的关节速度能进行灵活的作业，可以进行搬运、码垛、装配、注塑等作业，拥有灵活的安装方式。

BRTIRUS2650A type robot is a six-axis robot developed by BORUNTE, the robot has a compact shape and structure, each joint is installed with a high precision reducer, high speed joint speed can be flexible operation, can carry out handling, palletizing, assembly, injection molding and other operations, has a flexible installation mode.

## 主要规格

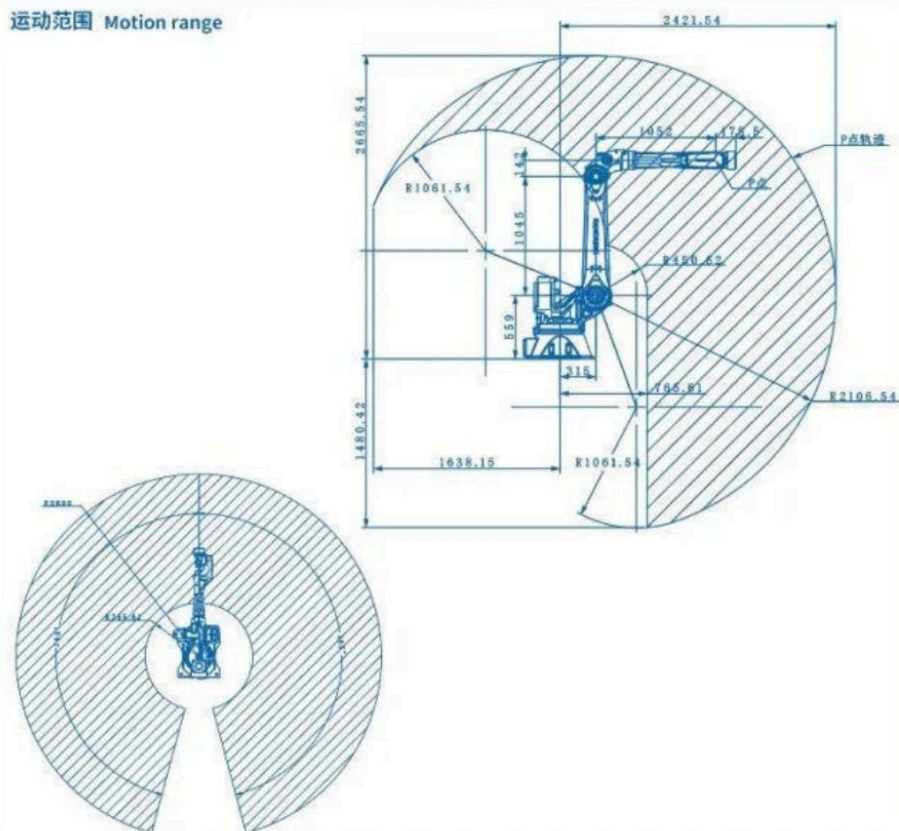
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm |            |            | 手腕 Wrist |        |        |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|--------|------------|------------|----------|--------|--------|
|                          |                             |                                 |                               |                        |                   | J1     | J2         | J3         | J4       | J5     | J6     |
| 2600                     | 50                          | ±0.1                            | 3.79                          | ≈470                   | 范围<br>Range       | ±163°  | -160°/+68° | -73°/+103° | ±180°    | ±120°  | ±360°  |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 100°/s | 92°/s      | 125°/s     | 240°/s   | 257°/s | 254°/s |

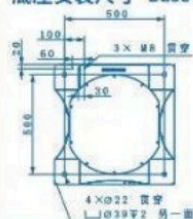
## 基本尺寸

## Basic size

运动范围 Motion range



底座安装尺寸 Base mounting size

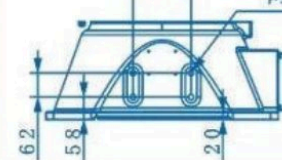


末端法兰安装尺寸 End flange mounting size



搬运预留安装孔位

Reserved position to transportation mounting hole  
4 × M16 ∇32  
两侧对称



因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRUS2917B

六轴机器人  
Six-axis Robot

Product Details  
产品详情



BRTIRUS2917B是伯朗特针对多自由度复杂应用而开发的六轴机器人。六自由度的灵活性对注塑件取件机床上下料、装配、搬运等场景能够应对自如。

BRTIRUS2917B is a six axis robot developed by BO-RUNTE for complex applications with multiple degrees of freedom. six degrees of freedom of flexibility, making it capable of handling scenarios such as loading and unloading, assembly, and transportation of injection molded parts on the machine tool.

## 主要规格

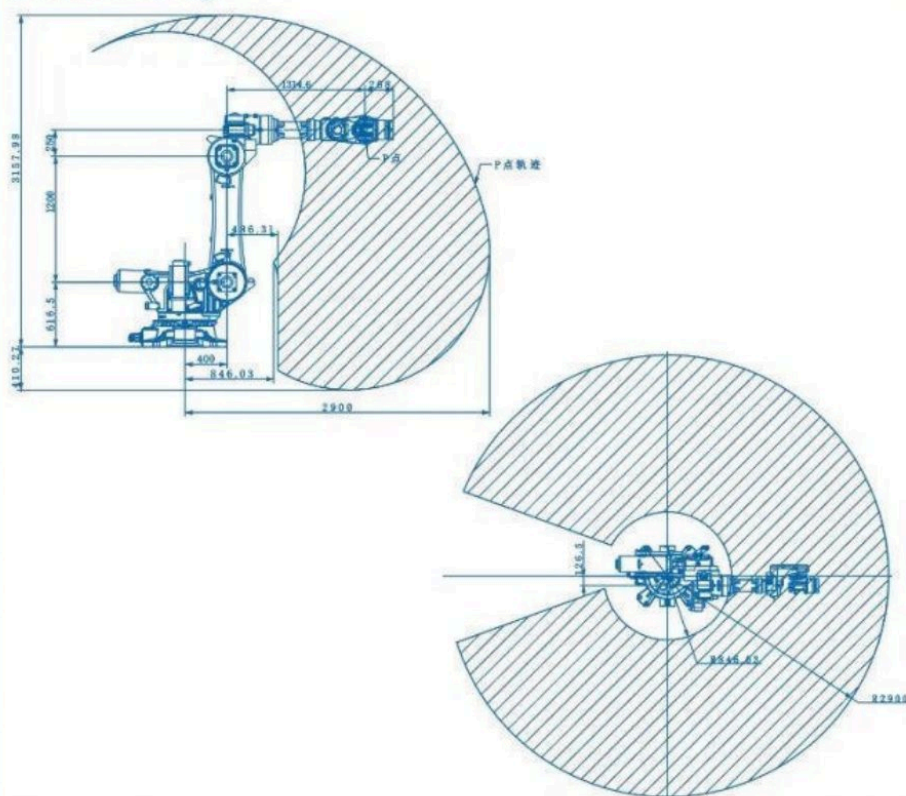
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm |           |           | 手腕 Wrist |       |        |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|--------|-----------|-----------|----------|-------|--------|
|                          |                             |                                 |                               |                        |                   | J1     | J2        | J3        | J4       | J5    | J6     |
| 3168                     | 170                         | ±0.2                            | 12.46                         | ≈1190.5                | 范围<br>Range       | ±160°  | -75°/+30° | -80°/+85° | ±180°    | ±130° | ±360°  |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 93°/s  | 77°/s     | 77°/s     | 110°/s   | 94°/s | 125°/s |

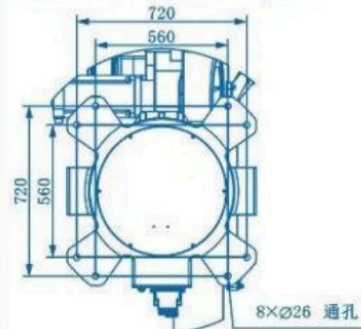
## 基本尺寸

## Basic size

运动范围 Motion range



底座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRUS2924B

六轴机器人  
Six-axis Robot

Product Details  
产品详情



BRTIRUS2924B是伯朗特针对多自由度复杂应用而开发的六轴机器人。六自由度的灵活性对注塑件取件机床上下料、装配、搬运等场景能够应对自如。

BRTIRUS2924B is a six axis robot developed by BO-RUNTE for complex applications with multiple degrees of freedom. six degrees of freedom of flexibility, making it capable of handling scenarios such as loading and unloading, assembly, and transportation of injection molded parts on the machine tool.

## 主要规格

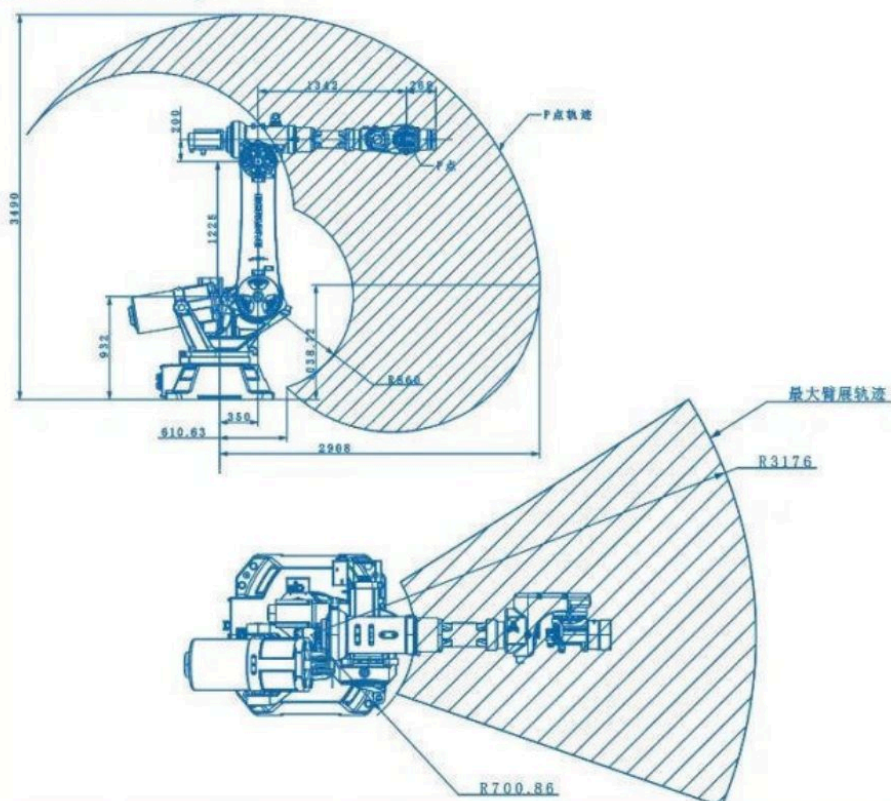
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm  |           |            | 手腕 Wrist |         |          |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|---------|-----------|------------|----------|---------|----------|
|                          |                             |                                 |                               |                        |                   | J1      | J2        | J3         | J4       | J5      | J6       |
| 3176                     | 240                         | ±0.2                            | 18.07                         | ≈1983                  | 范围<br>Range       | ±160°   | -85°/+55° | -60°/+105° | ±180°    | ±130°   | ±360°    |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 71.3°/s | 76.6°/s   | 93°/s      | 141.2°/s | 86.8°/s | 120.9°/s |

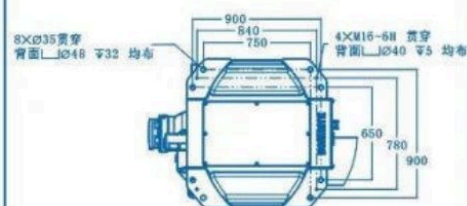
## 基本尺寸

## Basic size

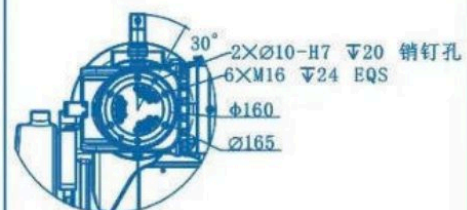
运动范围 Motion range



底座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRUS3012C

六轴机器人  
Six-axis Robot

Product Details  
产品详情



BRTIRUS3012C是伯朗特针对重型物料搬运与上下料等应用行业开发的六轴机器人，轻松应对各种重负载应用场合。

BRTIRUS3012C is a six axis robot developed by BORUNTE for applications such as heavy material handling, loading and unloading. Easily handle various heavy-duty applications.

## 主要规格

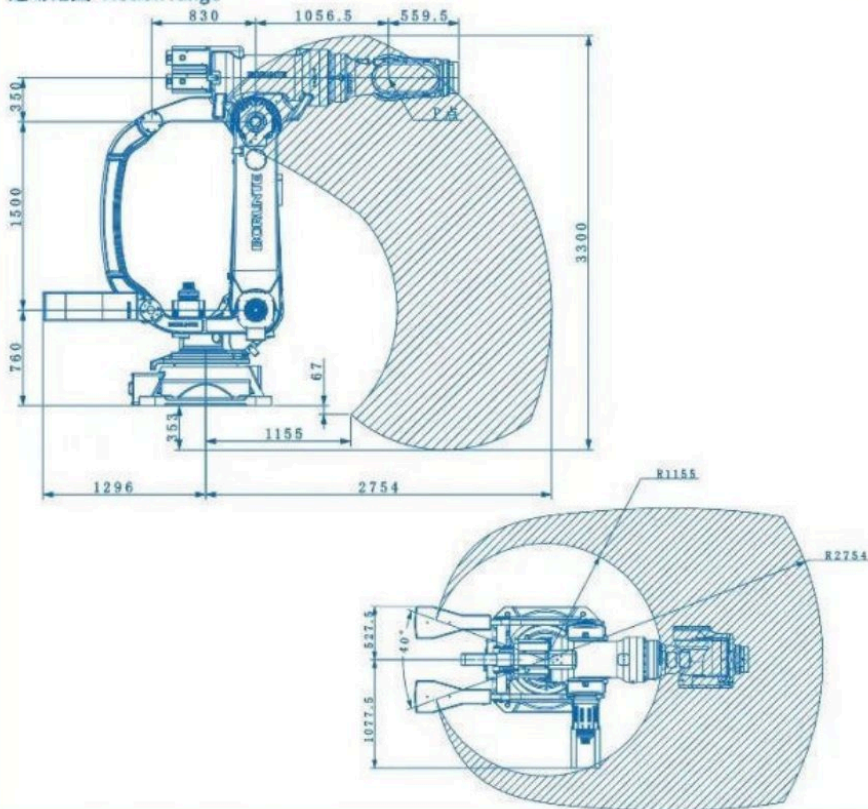
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item         | 手臂 Arm |           |           | 手腕 Wrist |         |        |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|--------------------|--------|-----------|-----------|----------|---------|--------|
|                          |                             |                                 |                               |                        |                    | J1     | J2        | J3        | J4       | J5      | J6     |
| 3313                     | 1000                        | ±0.1                            | 13.8                          | ≈5200                  | 范围<br>Range        | ±160°  | -90°/+50° | -60°/+20° | ±180°    | ±110°   | ±360°  |
|                          |                             |                                 |                               |                        | 最大速度<br>Max. speed | 50°/s  | 35°/s     | 50°/s     | 90°/s    | 53.4°/s | 105°/s |

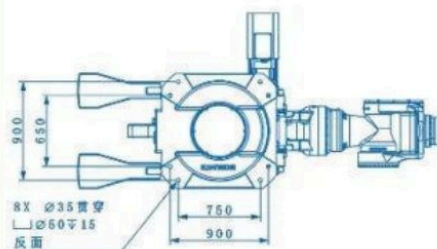
## 基本尺寸

## Basic size

运动范围 Motion range

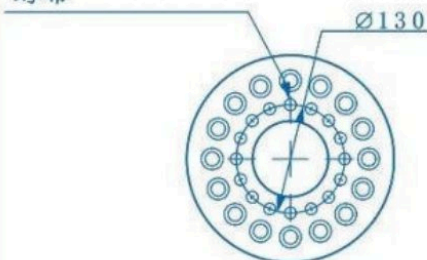


底座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size

16 X M16 ∇25  
均布



因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



## Product Details

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRUS3050B

六轴机器人  
Six-axis Robot

Product Details  
产品详情



BRTIRUS3050B是伯朗特针对搬运、码垛或上下料等应用行业开发的六轴机器人.机器人的外形结构紧凑,各关节均安装了高精度减速机,高速的关节速度能灵活进行作业。

BRTIRUS3050B type robot is a six-axis robot developed by BORUNTE for handling, stacking, loading and unloading and other applications. The shape of the robot is compact, and each joint is equipped with a high-precision reducer. The high-speed joint speed can work flexibly.

## 主要规格

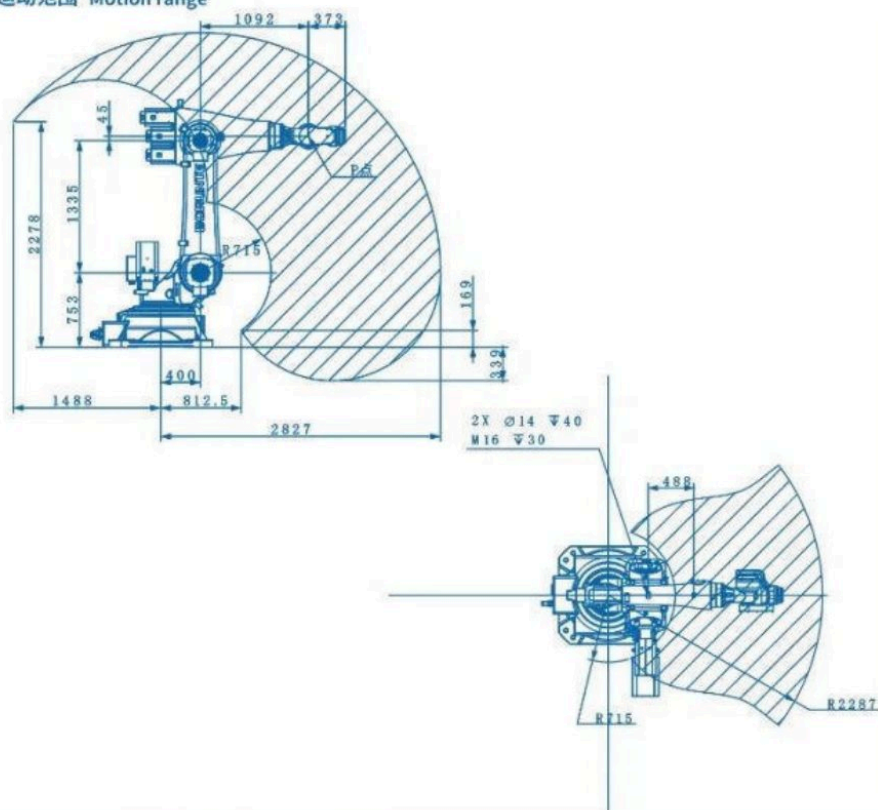
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm |           |           | 手腕 Wrist |        |        |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|--------|-----------|-----------|----------|--------|--------|
|                          |                             |                                 |                               |                        |                   | J1     | J2        | J3        | J4       | J5     | J6     |
| 3200                     | 500                         | ±0.15                           | 33.78                         | ≈2500                  | 范围<br>Range       | ±160°  | -90°/+50° | -65°/+90° | ±360°    | ±110°  | ±360°  |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 60°/s  | 55°/s     | 60°/s     | 100°/s   | 105°/s | 162°/s |

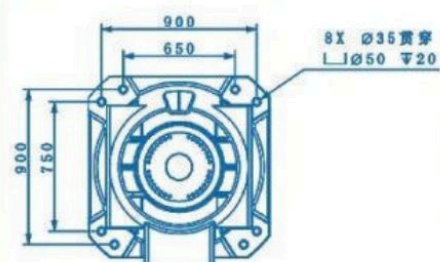
## 基本尺寸

## Basic size

运动范围 Motion range



底座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



因改良等原因,规格及外观有所变更时,不再另行通知,敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRUS3511A

六轴机器人  
Six-axis Robot

Product Details  
产品详情



BRTIRUS3511A是伯朗特针对某些单调、频繁和重复的长时间作业,或是危险、恶劣环境下的作业等而开发的一款六轴机器人,具有多自由度的灵活性,对上下料、搬运、码垛等场景能够应对自如。

BRTIRUS3511A type robot is a six-axis robot that developed by BORUNTE for some monotonous, frequent and repetitive long-term operations or operations in dangerous and harsh environments. It's flexible with multiple degrees of freedom. Suitable for loading and unloading, handling, stacking etc.

## 主要规格

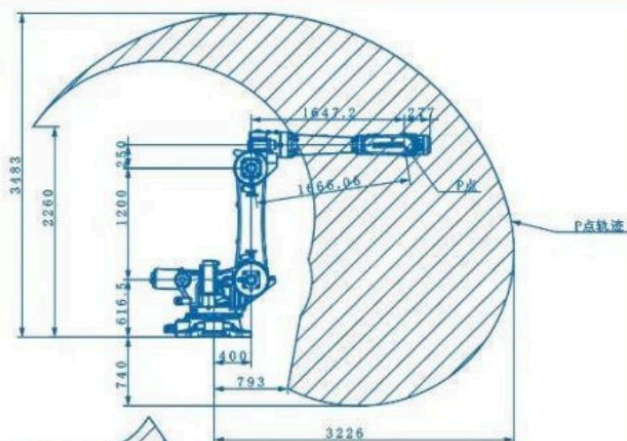
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm |           |            | 手腕 Wrist |       |        |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|--------|-----------|------------|----------|-------|--------|
|                          |                             |                                 |                               |                        |                   | J1     | J2        | J3         | J4       | J5    | J6     |
| 3503                     | 100                         | ±0.2                            | 9.71                          | ≈1187.5                | 范围<br>Range       | ±160°  | -75°/+55° | -80°/+105° | ±180°    | ±95°  | ±360°  |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 85°/s  | 70°/s     | 70°/s      | 82°/s    | 99°/s | 124°/s |

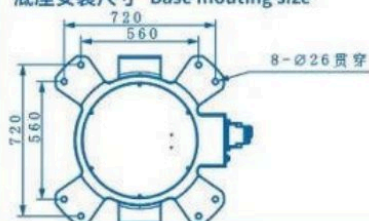
## 基本尺寸

## Basic size

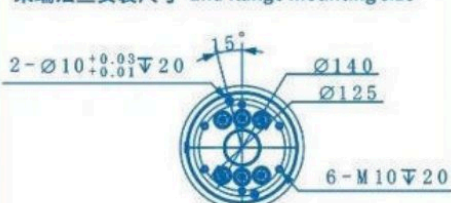
运动范围 Motion range



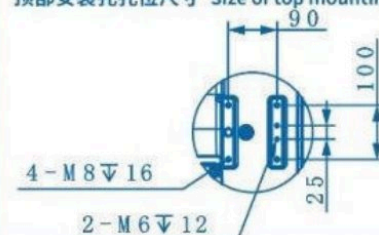
底座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



顶部安装孔位尺寸 Size of top mounting hole



因改良等原因,规格及外观有所变更时,不再另行通知,敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRXZ1005A

协作机器人  
Cooperative Robot

Product Details  
产品详情

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BRTIRXZ1005A是伯朗特自主研发的一款带拖动示教功能的六轴协作机器人,具有碰撞检测、轨迹复现等功能。同时具有安全高效、智能易用、灵活轻巧、经济可靠和低功耗等特点,大大满足客户对人机协作方面的需求。其高灵敏性和快响应性可适用于高密度的柔性化生产线,满足焊接、上下料、装配等作业需要,尤其对协同作业的应用需求,更是出类拔萃。

BRTIRXZ1005A is a six axis collaborative robot with drag and teach function developed by BORUNTE. Its maximum load is 5kg and the maximum arm span can reach 1000mm. It has functions such as collision detection and trajectory reproduction. At the same time, it has the characteristics of safety, efficiency, intelligence, ease of use, flexibility, lightness, economic reliability, and low power consumption, greatly meeting customers' needs for human-machine collaboration. Its high sensitivity and fast response can be applied to high-density flexible production lines, meeting the needs of welding, loading and unloading, assembly and other operations, especially for the application requirements of human-machine collaboration.

## 主要规格

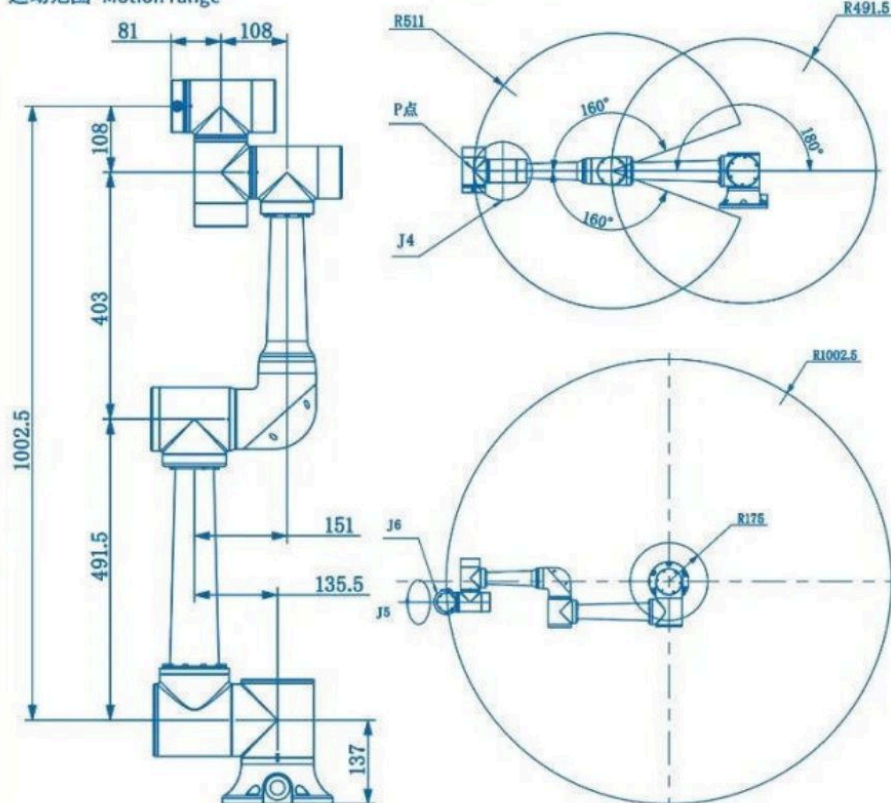
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item         | 手臂 Arm |        |            | 手腕 Wrist |        |        |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|--------------------|--------|--------|------------|----------|--------|--------|
|                          |                             |                                 |                               |                        |                    | J1     | J2     | J3         | J4       | J5     | J6     |
| 1000                     | 5                           | ±0.05                           | 2                             | ≈22                    | 范围<br>Range        | ±180°  | ±90°   | -70°/+250° | ±180°    | ±180°  | ±360°  |
|                          |                             |                                 |                               |                        | 最大速度<br>Max. speed | 178°/s | 178°/s | 178°/s     | 178°/s   | 178°/s | 178°/s |

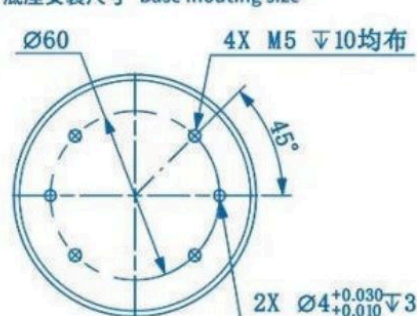
## 基本尺寸

## Basic size

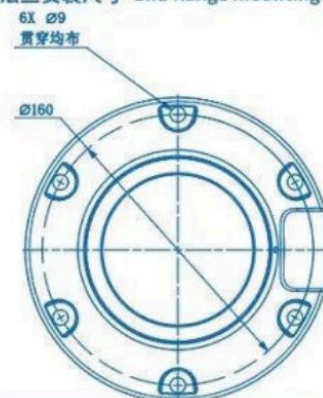
运动范围 Motion range



底座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



因改良等原因,规格及外观有所变更时,不再另行通知,敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRSC0603A

四轴机器人  
Four-axis Robot

Product Details  
产品详情

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BRTIRSC0603A是伯朗特针对某些单调、频繁和重复的长时间作业等而开发的一款四轴机器人。具有多自由度的灵活性，主要用于印刷包装、金属加工、轻纺家居、电子装备等领域。  
防护等级高：IP40。

BRTIRSC0603A type robot is a four-axis robot that developed by BORUNTE for some monotonous, frequent and repetitive long-term operations. It's flexible with multiple degrees of freedom. Suitable for printing and packaging, metal processing, textile home furnishing, electronic equipment, and other fields. The protection grade reaches IP40.

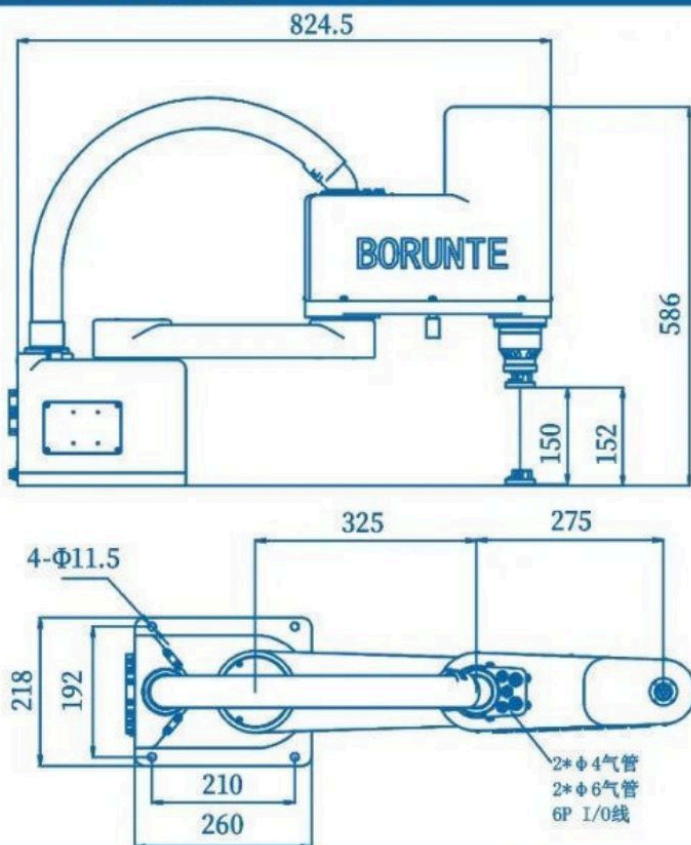
## 主要规格

### Main Specification

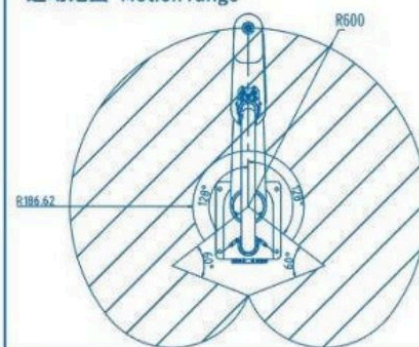
| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item         | 手臂 Arm          |                 |         | 手腕 Wrist        |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|--------------------|-----------------|-----------------|---------|-----------------|
|                          |                             |                                 |                               |                        |                    | J1              | J2              | J3      | J4              |
| 600                      | 3                           | $\pm 0.02$                      | 5.62                          | $\approx 28$           | 范围<br>Range        | $\pm 128^\circ$ | $\pm 145^\circ$ | 150mm   | $\pm 360^\circ$ |
|                          |                             |                                 |                               |                        | 最大速度<br>Max. speed | 480°/s          | 576°/s          | 900mm/s | 696°/s          |

## 基本尺寸

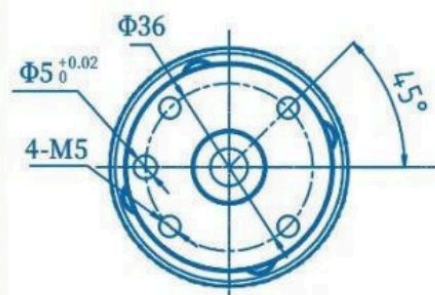
### Basic size



### 运动范围 Motion range



### 末端法兰安装尺寸 End flange mounting size



因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRSC0810A

四轴机器人  
Four-axis Robot

Product Details  
产品详情



BRTIRSC0810A是伯朗特针对某些单调、频繁和重复的长时间作业等而开发的一款四轴机器人。具有多自由度的灵活性，主要用于印刷包装、金属加工、轻纺家居、电子装备等领域。

BRTIRSC0810A type robot is a four-axis robot that developed by BORUNTE for some monotonous, frequent and repetitive long-term operations. It's flexible with multiple degrees of freedom. Suitable for printing and packaging, metal processing, textile homefurnishing, electronic equipment, and other fields.

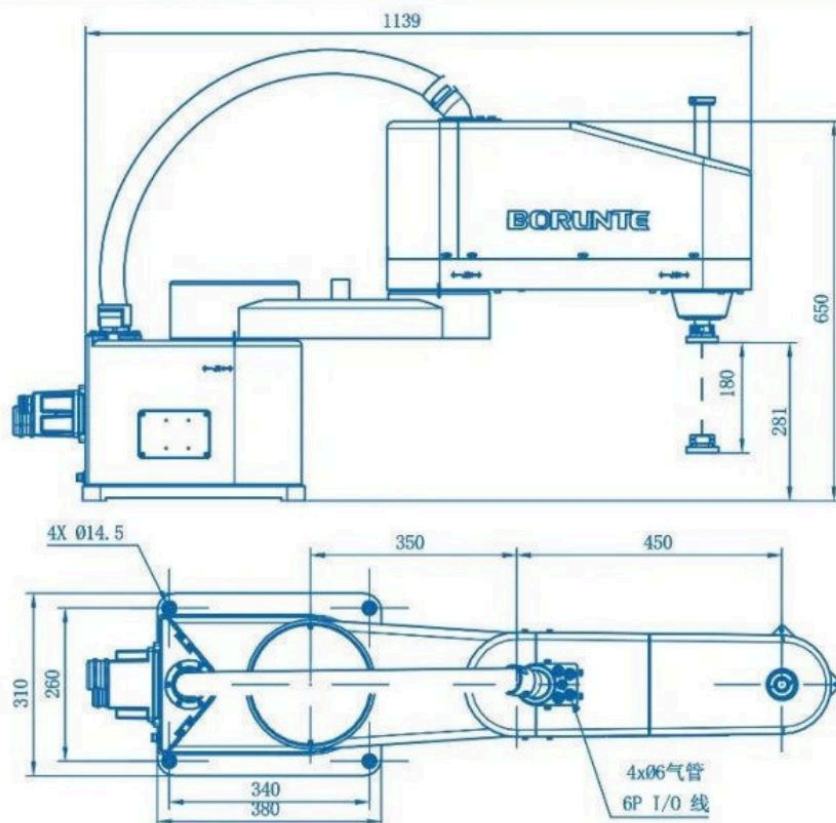
## 主要规格

## Main Specification

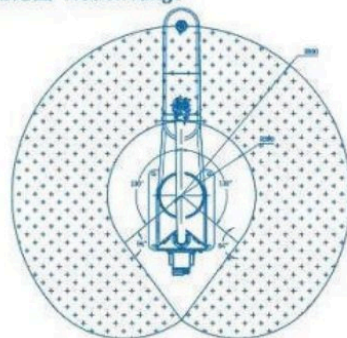
| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item         | 手臂 Arm |          |          | 手腕 Wrist |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|--------------------|--------|----------|----------|----------|
|                          |                             |                                 |                               |                        |                    | J1     | J2       | J3       | J4       |
| 800                      | 10                          | ±0.05                           | 4.3                           | ≈73                    | 范围<br>Range        | ±130°  | ±140°    | 180mm    | ±360°    |
|                          |                             |                                 |                               |                        | 最大速度<br>Max. speed | 300°/s | 473.5°/s | 1134mm/s | 1875°/s  |

## 基本尺寸

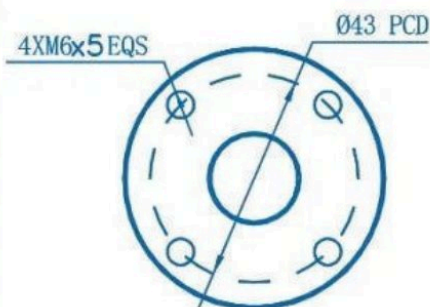
## Basic size



## 运动范围 Motion range



## 末端法兰安装尺寸 End flange mounting size



因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRPZ1508A

四轴机器人  
Four-axis Robot

Product Details  
产品详情



BRTIRPZ1508A是伯朗特开发的四轴机器人，它采用全伺服电机驱动，响应速度快，精度高。其以紧凑的结构实现大范围动作，运动灵活，精准。用途：在工业生产中能代替人做某些单调、频繁和重复的长时间作业，或是危险、恶劣环境下的作业，例如在冲压机、压力铸造、热处理、涂装、塑料制品成形、机械加工和简单装配等工序上，以及在原子能工业等部门中，完成对人体有害物料的搬运或工艺操作等，完美完成上下料工艺。

BRTIRPZ1508A is a four axis robot developed by BORUNTE, which is driven by a fully servo motor, with fast response speed and high accuracy. Achieve a wide range of flexible and precise movements with a compact structure. Purpose: Substitute for people to do certain monotonous, frequent, and repetitive long-term tasks, or tasks in dangerous and harsh environments, such as in stamping machines, pressure casting, heat treatment, coating, plastic product forming, mechanical processing, and simple assembly processes, as well as in departments such as the atomic energy industry, to complete the handling or process operations of harmful materials to human health, and perfect the loading and unloading process.

## 主要规格

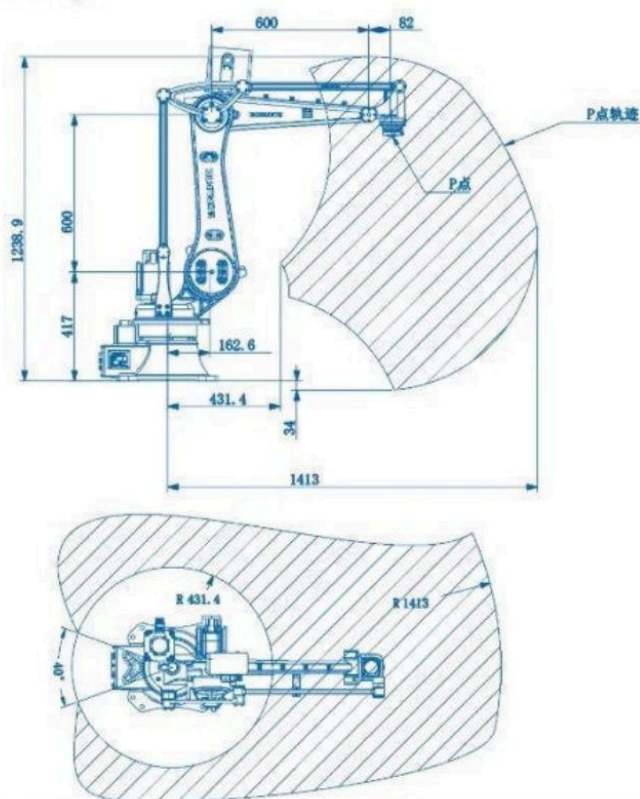
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm   |           |           | 手腕 Wrist |          |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|----------|-----------|-----------|----------|----------|
|                          |                             |                                 |                               |                        |                   | J1       | J2        | J3        | J4       | R34      |
| 1413                     | 8                           | ±0.05                           | 3.18                          | ≈150                   | 范围<br>Range       | ±160°    | -68°/+23° | -70°/+65° | ±180°    | 60°-175° |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 219.8°/s | 222.2°/s  | 272.7°/s  | 412.5°/s | /        |

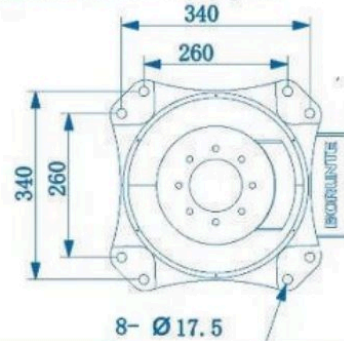
## 基本尺寸

## Basic size

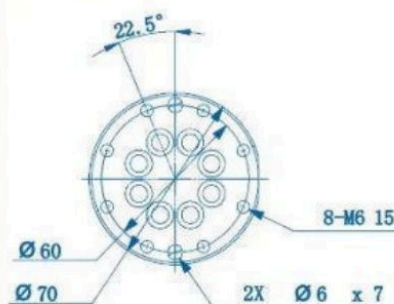
运动范围 Motion range



底座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRPZ1825A

四轴机器人  
Four-axis Robot

Product Details  
产品详情



BRTIRPZ1825A是伯朗特针对某些单调、频繁和重复的长时间作业，或是危险、恶劣环境下的作业等而开发的一款四轴机器人。具有多自由度的灵活性，对上下料、搬运、拆垛、码垛等场景能够应对自如。

BRTIRPZ1825A type robot is a four-axis robot that developed by BORUNTE for some monotonous, frequent and repetitive long-term operations or operations in dangerous and harsh environments. It's flexible with multiple degrees of freedom. Suitable for loading and unloading, handling, dismantling and stacking etc.

## 主要规格

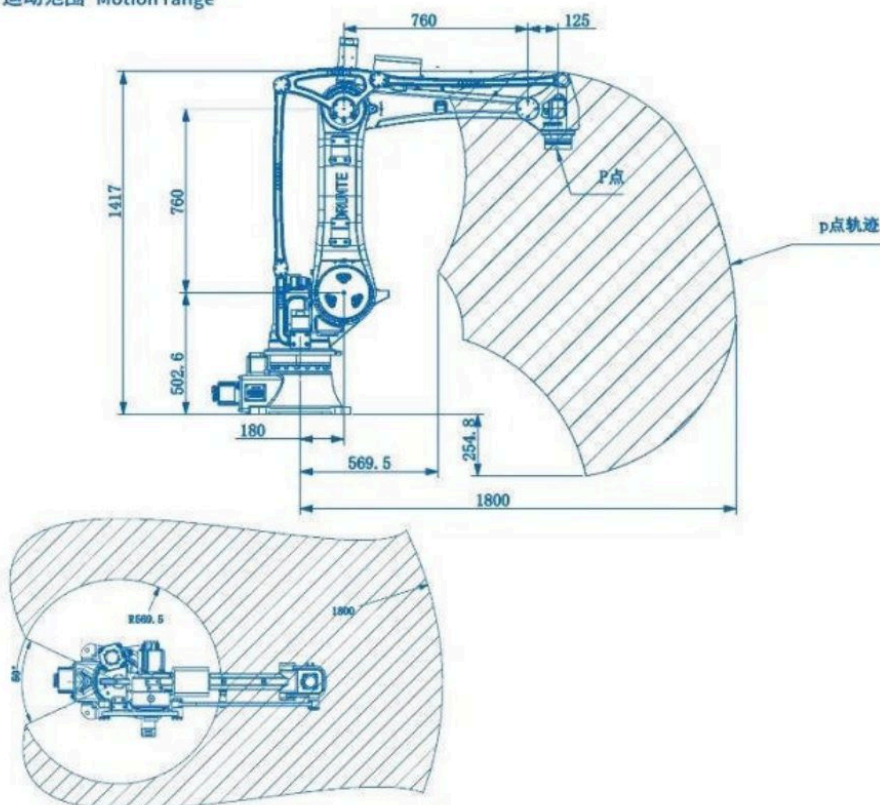
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm |           |           | 手腕 Wrist |          |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|--------|-----------|-----------|----------|----------|
|                          |                             |                                 |                               |                        |                   | J1     | J2        | J3        | J4       | R34      |
| 1800                     | 25                          | ±0.08                           | 7.33                          | ≈256                   | 范围<br>Range       | ±155°  | -70°/+30° | -62°/+70° | ±360°    | 60°-170° |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 175°/s | 135°/s    | 123°/s    | 300°/s   | /        |

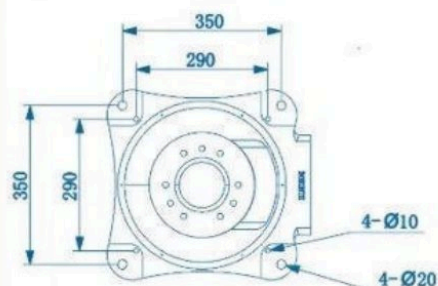
## 基本尺寸

## Basic size

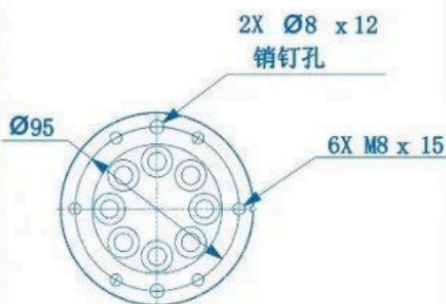
运动范围 Motion range



底座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRPZ1865A BRTIRPZ1865X

四轴机器人  
Four-axis Robot

Product Details  
产品详情



BRTIRPZ1865A/BRTIRPZ1865X是伯朗特针对某些单调、频繁和重复的长时间作业，或是危险、恶劣环境下的作业等而开发的一款四轴立柱码垛机器人，实际码垛高度可达1.8m，超大的空间覆盖范围（可完全覆盖1.2m\*1.2m及以内的所有规格托盘）。多自由度的灵活性，结构更为精简，维护方便，对上下料、搬运、拆包投料、拆垛、码垛等场景能够应对自如。

BRTIRPZ1865A /BRTIRPZ1865X is a four axis column palletizing robot developed by BORUNTE for certain monotonous, frequent, and repetitive long-term operations, or operations in dangerous and harsh environments. The actual palletizing height can reach 1.8m. It has a large space coverage range (can fully cover all sizes of pallets up to 1.2m \* 1.2m). The flexibility of multiple degrees of freedom makes the structure more streamlined and easy to maintain. It can handle scenarios such as loading and unloading, handling, unpacking and feeding, unpacking and stacking with ease.

## 主要规格

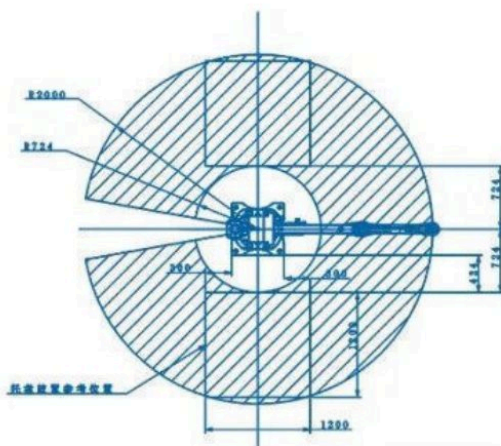
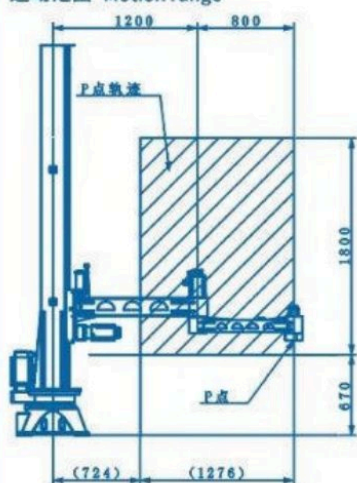
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm  |        |        | 手腕 Wrist |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|---------|--------|--------|----------|
|                          |                             |                                 |                               |                        |                   | J1      | J2     | J3     | J4       |
| 2000                     | 65                          | ±0.15                           | 7.8                           | ≈653                   | 范围<br>Range       | 1800mm  | ±170°  | ±145°  | ±360°    |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 600mm/s | 117°/s | 171°/s | 296°/s   |

## 基本尺寸

## Basic size

运动范围 Motion range



BRTIRPZ1865A搭配电控柜及示教器

BRTIRPZ1865A with electric control cabinet and teaching pendant



BRTIRPZ1865X搭配电控柜及示教器

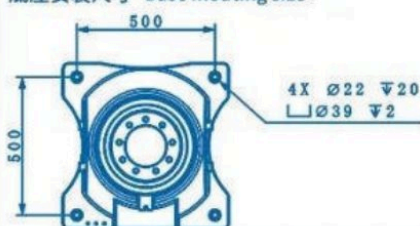
BRTIRPZ1865X with electric control cabinet and teaching pendant



末端法兰安装尺寸 End flange mounting size



底座安装尺寸 Base mounting size



因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRPZ2080A BRTIRPZ2080X

四轴机器人  
Four-axis Robot

Product Details  
产品详情



BRTIRPZ2080A/BRTIRPZ2080X是伯朗特针对某些单调、频繁和重复的长时间作业，或是危险、恶劣环境下的作业等而开发的一款四轴立柱码垛机器人，多自由度的灵活性对上下料、搬运、拆垛、码垛等场景能够应对自如。

BRTIRPZ2080A/BRTIRPZ2080X is a four axis column palletizing robot developed by BORUNTE ROBOT CO.,LTD. for certain monotonous, frequent, and repetitive long-term operations, or operations in dangerous and harsh environments. The flexibility of multiple degrees of freedom can handle scenarios such as loading and unloading, handling, unpacking, and palletizing with ease.

## 主要规格

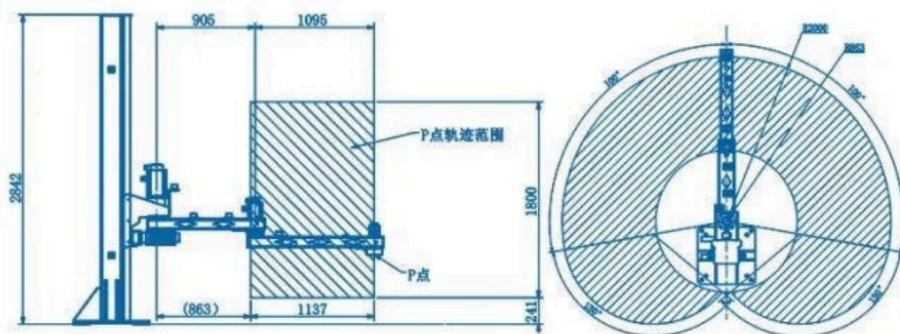
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm   |         |        | 手腕 Wrist |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|----------|---------|--------|----------|
|                          |                             |                                 |                               |                        |                   | J1       | J2      | J3     | J4       |
| 2000                     | 80                          | ±0.15                           | 6                             | ≈689                   | 范围<br>Range       | ±100°    | 1800mm  | ±145°  | ±360°    |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 129.6°/s | 222mm/s | 160°/s | 296°/s   |

## 基本尺寸

## Basic size

运动范围 Motion range



BRTIRPZ2080A搭配电控柜及示教器

BRTIRPZ2080A with electric control cabinet and teaching pendant

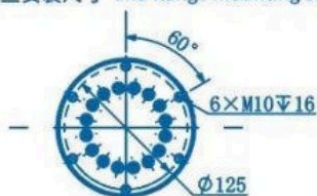


BRTIRPZ2080X搭配电控柜及示教器

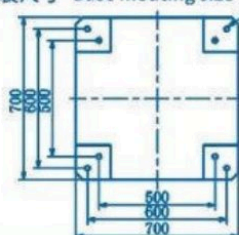
BRTIRPZ2080X with electric control cabinet and teaching pendant



末端法兰安装尺寸 End flange mounting size



底座安装尺寸 Base mounting size 8×Φ22贯穿



因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRPZ2465A BRTIRPZ2465X

四轴机器人  
Four-axis Robot

Product Details  
产品详情



BRTIRPZ2465A/BRTIRPZ2465X是伯朗特针对某些单调、频繁和重复的长时间作业，或是危险、恶劣环境下的作业等而开发的一款四轴立柱码垛机器人，实际码垛高度可达2.5m，超大的空间覆盖范围（可完全覆盖1.2m\*1.2m及以内的所有规格托盘）。多自由度的灵活性，结构更为精简，维护方便，对上下料、搬运、拆包投料、拆垛、码垛等场景能够应对自如。

BRTIRPZ2465A /BRTIRPZ2465X is a four axis column palletizing robot developed by BORUNTE for certain monotonous, frequent, and repetitive long-term operations, or operations in dangerous and harsh environments. The actual palletizing height can reach 2.5m. It has a large space coverage range (can fully cover all sizes of pallets up to 1.2m \* 1.2m). The flexibility of multiple degrees of freedom makes the structure more streamlined and easy to maintain. It can handle scenarios such as loading and unloading, handling, unpacking and feeding, unpacking and stacking with ease.

## 主要规格

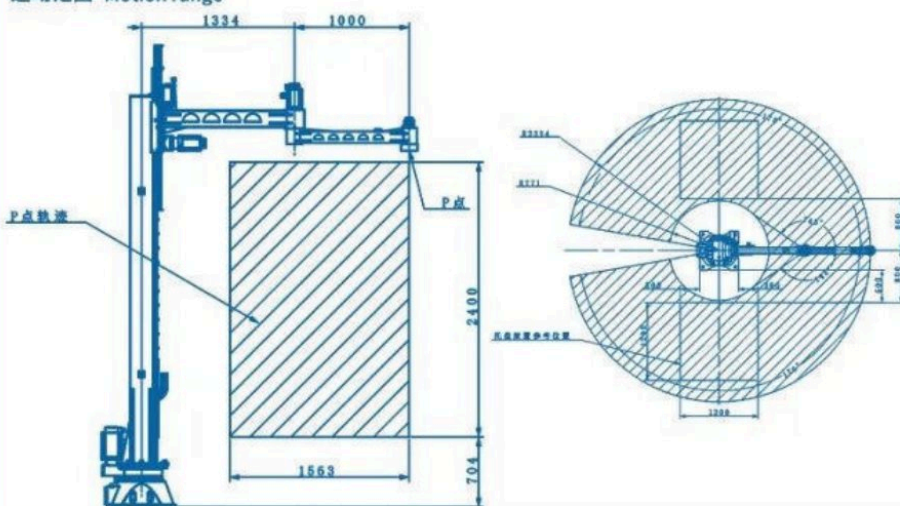
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm  |        |        | 手腕 Wrist |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|---------|--------|--------|----------|
|                          |                             |                                 |                               |                        |                   | J1      | J2     | J3     | J4       |
| 2334                     | 65                          | ±0.15                           | 7.82                          | ≈693.5                 | 范围<br>Range       | 2400mm  | ±170°  | ±145°  | ±360°    |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 660mm/s | 117°/s | 171°/s | 296°/s   |

## 基本尺寸

## Basic size

运动范围 Motion range



BRTIRPZ2465A搭配电控柜及示教器

BRTIRPZ2465A with electric control cabinet and teaching pendant



BRTIRPZ2465X搭配电控柜及示教器

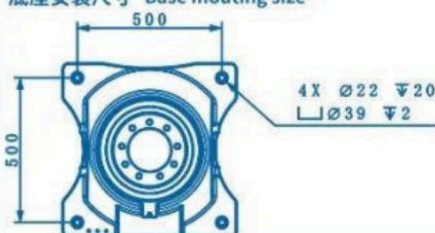
BRTIRPZ2465X with electric control cabinet and teaching pendant



末端法兰安装尺寸 End flange mounting size



底座安装尺寸 Base mounting size



因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRPZ2480A

四轴机器人  
Four-axis Robot

Product Details  
产品详情



BRTIRPZ2480A是伯朗特针对某些单调、频繁和重复的长时间作业,或是危险、恶劣环境下的作业等而开发的一款四轴机器人。具有多自由度的灵活性,对上下料、搬运、拆垛、码垛等场景能够应对自如。

BRTIRPZ2480A type robot is a four-axis robot that developed by BORUNTE for some monotonous, frequent and repetitive long-term operations or operations in dangerous and harsh environments. It's flexible with multiple degrees of freedom. Suitable for loading and unloading, handling, dismantling and stacking etc.

## 主要规格

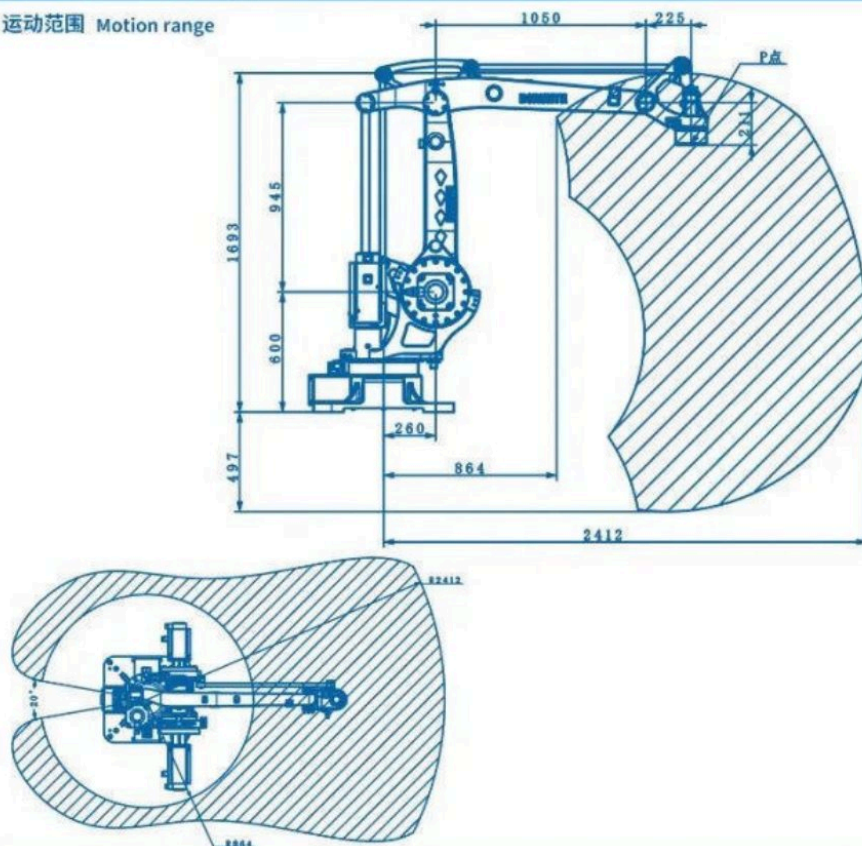
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm |           |           | 手腕 Wrist |          |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|--------|-----------|-----------|----------|----------|
|                          |                             |                                 |                               |                        |                   | J1     | J2        | J3        | J4       | R34      |
| 2412                     | 80                          | ±0.2                            | 5.53                          | ≈686                   | 范围<br>Range       | ±160°  | -80°/+40° | -42°/+60° | ±360°    | 82°-140° |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 148°/s | 148°/s    | 148°/s    | 299°/s   | /        |

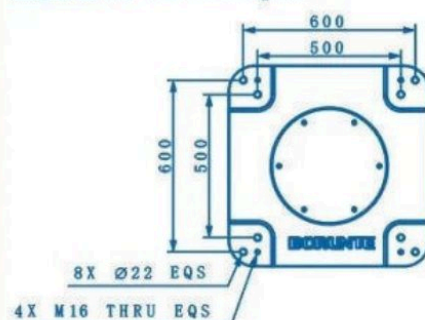
## 基本尺寸

## Basic size

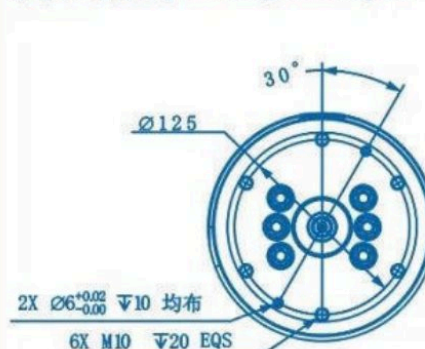
运动范围 Motion range



底座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



因改良等原因,规格及外观有所变更时,不再另行通知,敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRPZ3116B

四轴机器人  
Four-axis Robot

Product Details  
产品详情



BRTIRPZ3116B是伯朗特开发的四轴机器人，响应速度快，精度高。以紧凑的结构实现大范围动作，运动灵活，精准。用途：适合应用于袋、箱体、瓶等包装形式的物料的堆垛。

BRTIRPZ3116B is a four axis robot developed by BO-RUNTE, with fast response speed and high accuracy. Its maximum load is 160KG and the maximum arm span can reach 3100mm. Realize large-scale movements with a compact structure, flexible and precise movements. Usage: Suitable for stacking materials in packaging forms such as bags, boxes, bottles, etc.

## 主要规格

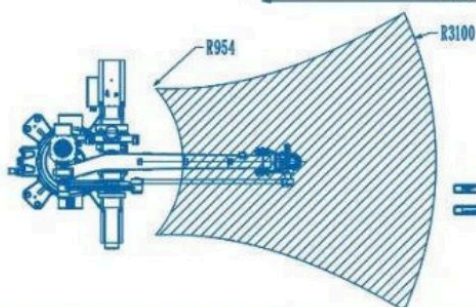
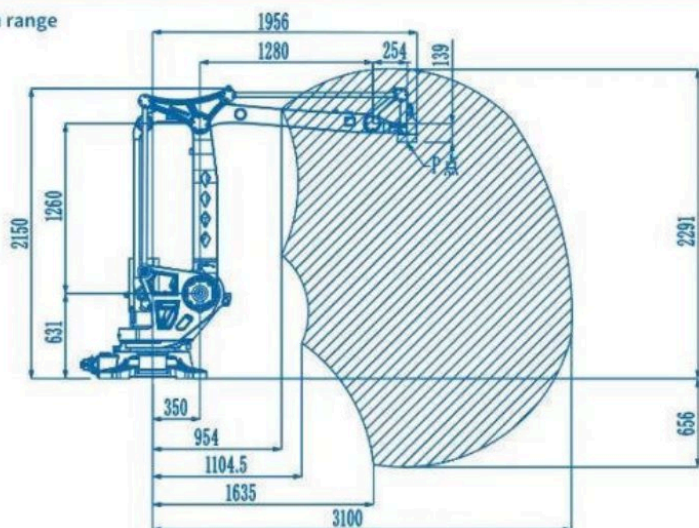
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 手臂 Arm |           |           | 手腕 Wrist |          |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|--------|-----------|-----------|----------|----------|
|                          |                             |                                 |                               |                        |                   | J1     | J2        | J3        | J4       | R34      |
| 3100                     | 160                         | ±0.5                            | 9                             | ≈1085                  | 范围<br>Range       | ±158°  | -84°/+40° | -65°/+70° | ±360°    | 65°-190° |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 120°/s | 120°/s    | 108°/s    | 288°/s   | /        |

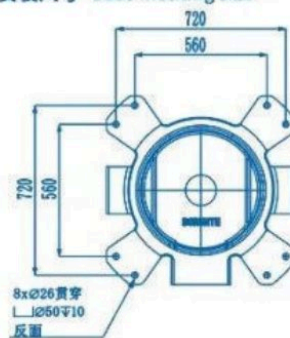
## 基本尺寸

## Basic size

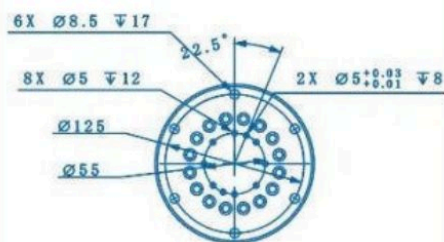
运动范围 Motion range



底座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRPL1003A

四轴机器人  
Four-axis Robot

Product Details  
产品详情

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BRTIRPL1003A是伯朗特首款针对轻小散乱物料的装配、分拣等应用场景开发的四轴机器人,可以搭配视觉。精度高:重复定位精度 $\pm 0.1\text{mm}$ 。

BRTIRPL1003A type robot is a four-axis robot that developed by BORUNTE for assembly, sorting and other application scenarios of light, small and scattered materials. The repeat positioning accuracy is  $\pm 0.1\text{mm}$ .

## 主要规格

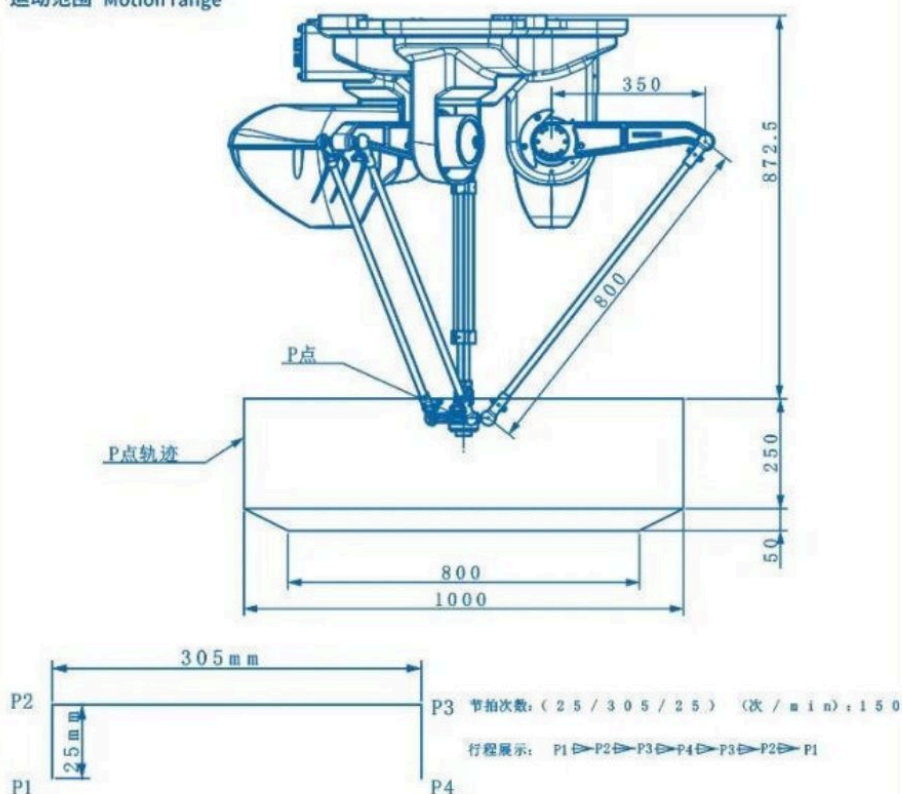
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item         | 主动臂 Master Arm |        | 末端 End          | 节拍 Rhythm                                    |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|--------------------|----------------|--------|-----------------|----------------------------------------------|
|                          |                             |                                 |                               |                        |                    | 上摆 Upper       | 下摆 Hem | J4              |                                              |
| 1000                     | 3                           | $\pm 0.1$                       | 3.18                          | $\approx 104$          | 范围<br>Range        | 46.7°          | 86.6°  | $\pm 360^\circ$ | 行程: 25/305/25 (mm)<br>stroke: 25/305/25 (mm) |
|                          |                             |                                 |                               |                        | 最大速度<br>Max. speed | 609°/s         |        | 2814°/s         | 150次/分 150 (time/min)                        |

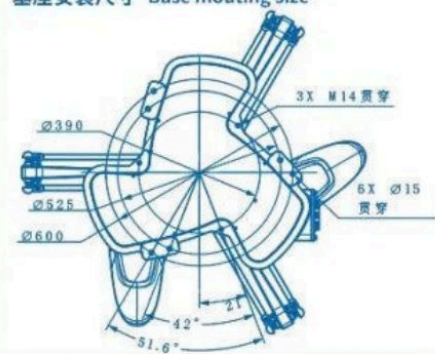
## 基本尺寸

## Basic size

### 运动范围 Motion range



### 底座安装尺寸 Base mounting size



### 末端法兰安装尺寸 End flange mounting size



因改良等原因,规格及外观有所变更时,不再另行通知,敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRPL1203A

五轴机器人  
Five-axis Robot

Product Details  
产品详情



BRTIRPL1203A是伯朗特针对轻小散乱物料的装配、分拣等应用场景开发的五轴机器人,可以实现水平抓取,翻转竖直放置,可以搭配视觉。  
精度高:重复定位精度 $\pm 0.1\text{mm}$ 。

BRTIRPL1203A is a five axis robot developed by BO-RUNTE for the assembly, sorting and other application scenarios of light and small scattered materials. It can achieve horizontal grasping, flipping and vertical placement, and can be paired with vision.  
The repeat positioning accuracy is  $\pm 0.1\text{mm}$ .

## 主要规格

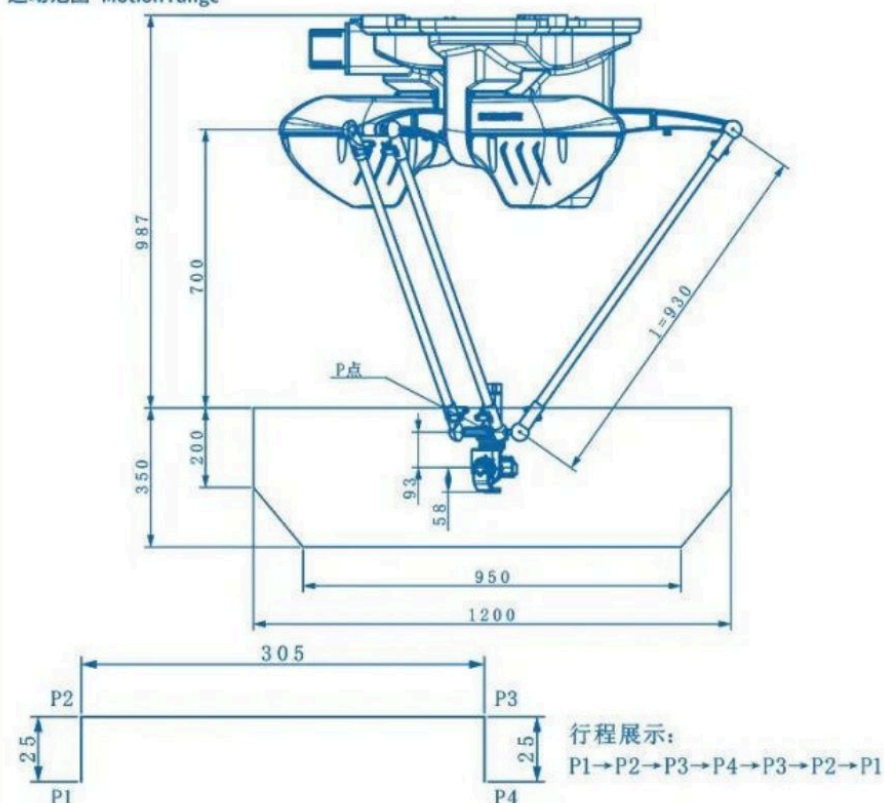
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 主动臂 Master Arm |             | 末端 End          |                | 节拍 Rhythm                                    |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|----------------|-------------|-----------------|----------------|----------------------------------------------|
|                          |                             |                                 |                               |                        |                   | 上摆 Upper       | 下摆 Hem      | J4              | J5             |                                              |
| 1200                     | 3                           | $\pm 0.1$                       | 3.91                          | $\approx 107$          | 范围<br>Range       | $-35^\circ$    | $+83^\circ$ | $\pm 360^\circ$ | $\pm 90^\circ$ | 行程: 25/305/25 (mm)<br>stroke: 25/305/25 (mm) |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 595/s          |             | 600/s           | 600/s          | 负载 Payload: 0-3kg<br>143次/分 143 (time/min)   |

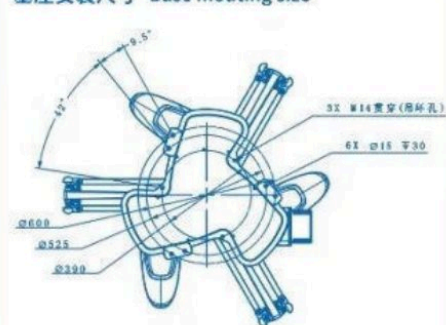
## 基本尺寸

## Basic size

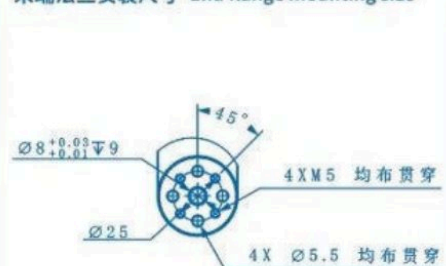
运动范围 Motion range



基座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



因改良等原因,规格及外观有所变更时,不再另行通知,敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTIRPL1215A

四轴机器人  
Four-axis Robot

Product Details  
产品详情



BRTIRPL1215A是伯朗特针对中大负载散乱物料的装配、分拣等应用场景开发的四轴机器人，可以搭配视觉。

精度高：重复定位精度 $\pm 0.1\text{mm}$ 。

BRTIRPL1215A is a four axis robot developed by BO-RUNTE for the assembly, sorting, and other application scenarios of scattered materials with medium to large loads. It can be paired with vision .

The repeat positioning accuracy is  $\pm 0.1\text{mm}$ .

## 主要规格

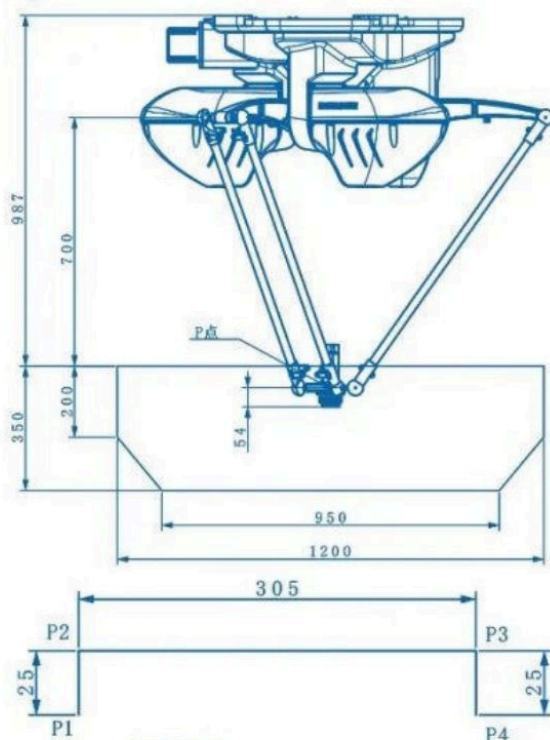
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 主动臂<br>Master Arm |           | 末端<br>End       | 节拍 Rhythm                                   |                        |                        |                      |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|-------------------|-----------|-----------------|---------------------------------------------|------------------------|------------------------|----------------------|
|                          |                             |                                 |                               |                        |                   | 上摆<br>Upper       | 下摆<br>Hem |                 | 行程: 25/305/25 (mm)<br>stroke:25/305/25 (mm) |                        |                        |                      |
| 1200                     | 15                          | $\pm 0.1$                       | 4.08                          | $\approx 105$          | 范围<br>Range       | -35°              | 83°       | $\pm 360^\circ$ | 0kg                                         | 5kg                    | 10kg                   | 15kg                 |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 450°/s            |           | 600°/s          | 143次/分<br>143 time/min                      | 121次/分<br>121 time/min | 107次/分<br>107 time/min | 94次/分<br>94 time/min |

## 基本尺寸

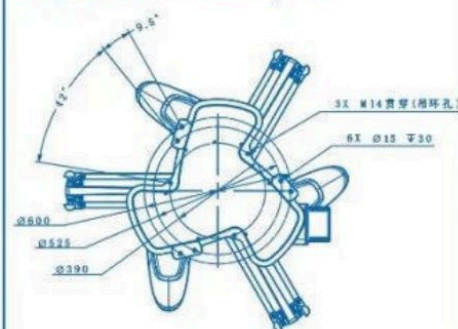
## Basic size

运动范围 Motion range

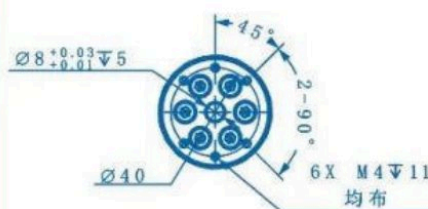


行程展示:  
P1→P2→P3→P4→P3→P2→P1

底座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。

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# BRTIRPL1608A

四轴机器人  
Four-axis Robot

Product Details  
产品详情



BRTIRPL1608A是伯朗特针对中大负载散乱物料的装配、分拣等应用场景开发的四轴机器人，可以搭配视觉。

精度高：重复定位精度 $\pm 0.1\text{mm}$ 。

BRTIRPL1608A is a four axis robot developed by BO-RUNTE for the assembly, sorting, and other application scenarios of scattered materials with medium to large loads. It can be paired with vision .

The repeat positioning accuracy is  $\pm 0.1\text{mm}$ .

## 主要规格

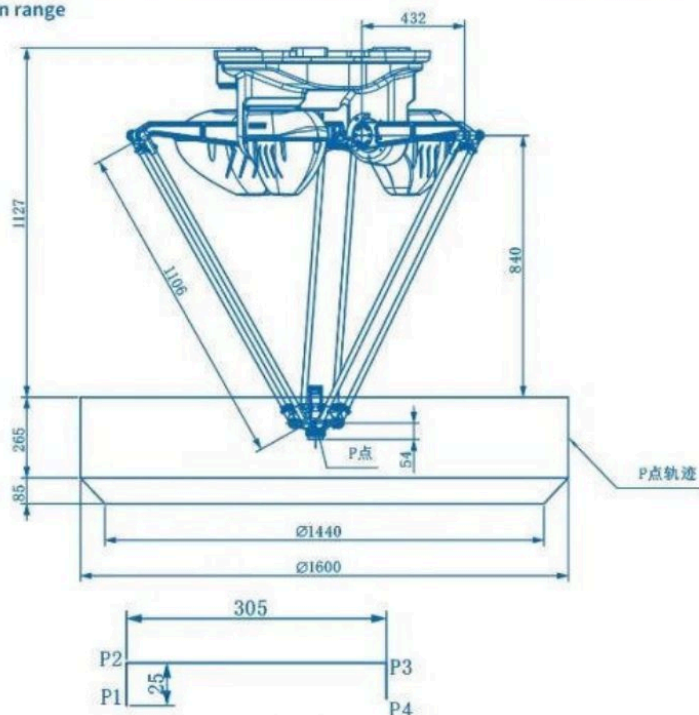
## Main Specification

| 臂展<br>Arm Length<br>(mm) | 最大负载<br>Max Payload<br>(kg) | 重复定位精度<br>Repeatability<br>(mm) | 电源容量<br>Power Supply<br>(kVA) | 本体重量<br>Weight<br>(kg) | 项目<br>Item        | 主动臂<br>Master Arm |           | 末端<br>End | 节拍 Rhythm                                   |                        |                        |
|--------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-------------------|-------------------|-----------|-----------|---------------------------------------------|------------------------|------------------------|
|                          |                             |                                 |                               |                        |                   | 上摆<br>Upper       | 下摆<br>Hem |           | 行程: 25/305/25 (mm)<br>stroke:25/305/25 (mm) |                        |                        |
| 1600                     | 8                           | ±0.1                            | 6.36                          | ≈95                    | 范围<br>Range       | -38°              | 98°       | ±360°     | 0-3kg                                       | 5kg                    | 8kg                    |
|                          |                             |                                 |                               |                        | 最大速度<br>Max.speed | 462.8°/s          |           | 600°/s    | 150次/分<br>150 time/min                      | 130次/分<br>130 time/min | 115次/分<br>115 time/min |

## 基本尺寸

## Basic size

运动范围 Motion range

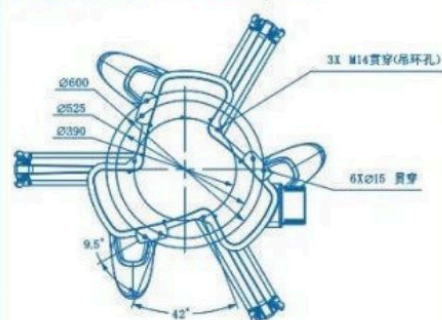


节拍次数: ( 2 5 / 3 0 5 / 2 5 ) /min

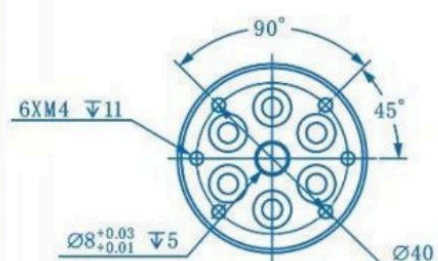
行程展示:

P1→P2→P3→P4→P3→P2→P1

基座安装尺寸 Base mounting size



末端法兰安装尺寸 End flange mounting size



因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。

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# BRTN30WSS5PC BRTN30WSS5PF

五轴伺服机械手  
Five-axis servo  
Manipulator

## Product Details 产品详情



BRTN30WSS5PF根据BRTN30WSS5PC非标定制, 适用于2200T-4000T的各种型塑胶射出成型机, 五轴AC伺服驱动, 标配AC伺服驱动轴, A轴旋转角360°, C轴旋转角180°, 可自由定位调整夹具角度, 寿命长, 精度高, 故障率低, 维护简单, 主要用于快速去除或是复杂角度取出应用, 特别是长形状产品如汽车品, 洗衣机家电用品。五轴驱控一体控制系统: 信号线少, 远距离通讯, 扩展性能好, 抗干扰能力强, 重复定位精度高, 可以同时控制多轴, 设备维护简单, 故障率少。

The BRTN30WSS5PF is a customized non-standard product based on the BRTN30WSS5PC, suitable for various types of plastic injection molding machines with capacities ranging from 2200T to 4000T. It features five-axis AC servo drives, with standard AC servo drive axes. The A-axis has a rotation angle of 360°, while the C-axis has a rotation angle of 180°, allowing for free positioning and adjustment of the fixture angle. It boasts a long lifespan, high precision, low failure rate, and simple maintenance. It is primarily used for rapid removal or complex-angle extraction applications, especially for long-shaped products such as automotive parts, washing machines, and home appliances. Five-axis drive and control integrated system: Few signal lines, long-distance communication, excellent scalability, strong anti-interference capability, high repeat positioning accuracy, capable of controlling multiple axes simultaneously, simple equipment maintenance, and low failure rate.

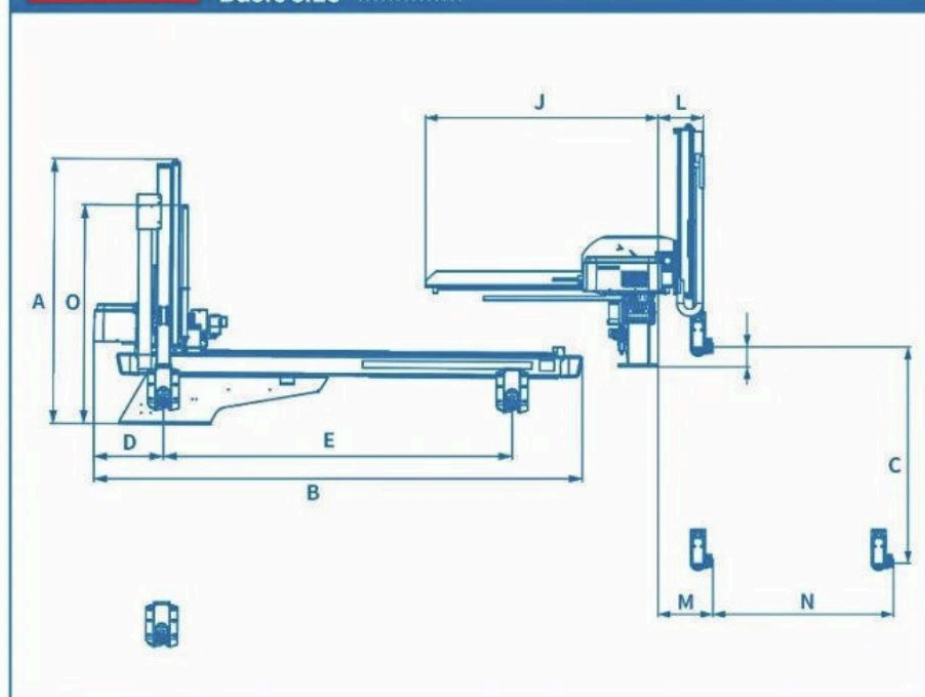
### 主要规格

### Main Specification

| 机型<br>Model  | 电源容量<br>Power Source | 适用成型机<br>Recommended<br>I.M.M | 驱动方式<br>Traverse Driven  | 治具形式<br>Model of EOAT                 | 横行行程<br>Traverser<br>Stroke | 引拔行程<br>Crosswise<br>Stroke | 上下行程<br>Vertical<br>Stroke | 最大荷载<br>Max.loading | 取出时间<br>Dry Take<br>Out Time | 全循环时间<br>Dry Cycle Time | 空气消耗量<br>Air Consumption | 重量<br>Weight  | 定位精度<br>Repeatability |
|--------------|----------------------|-------------------------------|--------------------------|---------------------------------------|-----------------------------|-----------------------------|----------------------------|---------------------|------------------------------|-------------------------|--------------------------|---------------|-----------------------|
| BRTN30WSS5PC | 6.1kVA               | 2200T-4000T                   | AC伺服马达<br>AC Servo motor | 四吸两抱<br>Four suctions<br>Tow fixtures | 4000mm                      | 2500mm                      | 3000mm                     | 60kg                | 8.43s                        | 16.02s                  | 47NI/cycle               | ≈2066kg       | ±0.1mm                |
| BRTN30WSS5PF | 6.1kVA               | 2200T-4000T                   | AC伺服马达<br>AC Servo motor | 四吸两抱<br>Four suctions<br>Tow fixtures | ≤6000mm                     | ≤2500mm                     | ≤3000mm                    | 60kg                | 待定<br>Pending                | 待定<br>Pending           | 47NI/cycle               | 待定<br>Pending | ±0.1mm                |

### 基本尺寸

### Basic size



| 机型 Modle     |     |   |   | A             | B             | C     | D     | E     |
|--------------|-----|---|---|---------------|---------------|-------|-------|-------|
| BRTN30WSS5PC |     |   |   | 2945          | 5333          | 3000  | 569.5 | 4000  |
| BRTN30WSS5PF |     |   |   | 待定<br>Pending | 待定<br>Pending | ≤3000 | 569.5 | ≤6000 |
| F            | G   | H | I | J             | L             | M     | N     | O     |
| /            | 276 | / | / | 3154          | 536           | 666   | 2500  | 2487  |
| /            | 276 | / | / | 待定<br>Pending | 536           | 666   | ≤2500 | 2487  |

机型表示: W: 双载式 S: 单臂机械手 (成品臂) SS: 五轴AC伺服马达驱动 (成品臂上下、AC轴、引拔+横行)

Model representation: W: Telescopic type. S: Product arm. SS: Five-axis driven by AC Servo Motor (Traverse-axis, AC-axis, Vertical-axis+Crosswise-axis).

上述取物时间, 循环时间为我司内部测试结果, 在机器实际应用过程中会因实际使用负载, 调试参数不同而有所变化。

The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

因改良等原因, 规格及外观有所变更时, 不再另行通知, 敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTR09WDS5P0F0 BRTR13WDS5PCFC BRTR17WDS5PCFC

五轴伺服机械手  
Five-axis servo  
Manipulator

## Product Details 产品详情



BRTR09WDS5P0/BRTR13WDS5PC/BRTR17WDS5PC系列适用于160T-1200T的各种卧式射出成型机的成品及水口取出、手臂形式为双截式，双臂，五轴AC伺服驱动，可以应用于快速取出或模内贴，模内镶件等特殊产品应用，定位精准，速度快，寿命长，故障低，安装机械手可增加产能(10-30%)，降低产品的不良率，保障操作人员的安全性，减少人工，精准控制生产量，减少浪费，保证交期。五轴驱动一体控制系统：信号线少，远距离通讯，扩展性能好，抗干扰能力强，重复定位精度高，可以同时控制多轴，设备维护简单，故障率低。

BRTR09WDS5P0/BRTR13WDS5PC/BRTR17WDS5PC series is suitable for 50T-470T horizontal injection molding machine to take out the finished product and nozzle, arm form telescopic stage, two-arm, five-axis AC servo drive, can be used for quick removal or in-mold sticking, in-mold inserts and other special product applications. Accurate positioning, high speed, long life, and low failure rate. After installing the manipulator can increase production capacity (10-30%) and will reduce the defective rate of products, ensure the safety of operators, and reduce manpower. Accurately control production, reduce waste and ensure delivery. Five-axis driver and controller integrated system: fewer signal lines, long-distance communication, good expansion performance, strong anti-interference ability, high accuracy of repeated positioning, multi-axis can be controlled at the same time, simple equipment maintenance, and low failure rate.

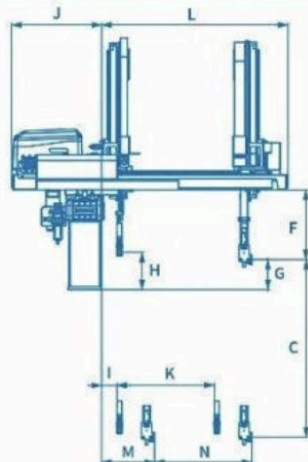
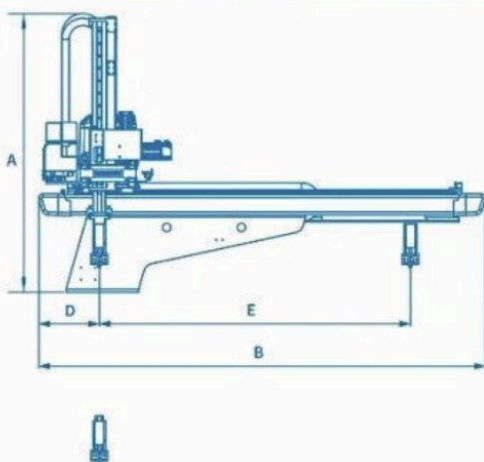
### 主要规格

### Main Specification

| 机型<br>Model  | 电源容量<br>Power Source | 适用成型机<br>Recommended I.M.M | 驱动方式<br>Drive Driven     | 治具形式<br>Model of EOAT                | 横行行程<br>Traverser<br>Stroke | 引拔行程<br>Crosswise<br>Stroke | 上下行程<br>Vertical<br>Stroke | 最大荷载<br>Max.loading | 取出时间<br>Dry Take<br>Out Time | 全循环时间<br>Dry Cycle Time | 空气消耗量<br>Air Consumption | 重量<br>Weight | 定位精度<br>Repeatability |
|--------------|----------------------|----------------------------|--------------------------|--------------------------------------|-----------------------------|-----------------------------|----------------------------|---------------------|------------------------------|-------------------------|--------------------------|--------------|-----------------------|
| BRTR09WDS5P0 | 2.91kVA              | 160T-320T                  | AC伺服马达<br>AC Servo motor | 四吸两抱<br>Four suction<br>Two fixtures | 1500mm                      | P:520mm<br>R:520mm          | 950mm                      | 8kg                 | 1.5s                         | 5.61s                   | 4NI/cycle                | ≈246kg       | ±0.05mm               |
| BRTR13WDS5PC | 3.72kVA              | 360T-700T                  | AC伺服马达<br>AC Servo motor | 四吸两抱<br>Four suction<br>Two fixtures | 1860mm                      | P:795mm<br>R:795mm          | 1380mm                     | 10kg                | 2.7s                         | 7.91s                   | 15NI/cycle               | ≈431kg       | ±0.05mm               |
| BRTR17WDS5PC | 3.4kVA               | 750T-1200T                 | AC伺服马达<br>AC Servo motor | 四吸两抱<br>Four suction<br>Two fixtures | 2580mm                      | P:1055mm<br>R:1055mm        | 1760mm                     | 15kg                | 3.61s                        | 10.85s                  | 15NI/cycle               | ≈550kg       | ±0.1mm                |

### 基本尺寸

### Basic size



机型表示: W: 双截式 T: 三截式 D: 双臂机械手(成品臂+料头臂) S5: 五轴AC伺服马达驱动(成品臂/料头臂上下、引拔+横行)

Model representation: W: Telescopic type, T: Ternary form, D: Product arm+runner arm, S5: Five-axis driven by AC Servo Motor(Traverse-axis, Vertical-axis+Crosswise-axis).

上述取物时间, 循环时间为我司内部测试标准测试结果, 在机器实际使用过程中会因实际使用行程, 负载, 调试参数不同而有所变化。

The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

| 机型 Modle       |       |     |       | A    | B    | C    | D     | E    |
|----------------|-------|-----|-------|------|------|------|-------|------|
| BRTR09WDS5P0F0 |       |     |       | 1344 | 2152 | 950  | 292   | 1500 |
| BRTR13WDS5PCFC |       |     |       | 1651 | 2670 | 1380 | 342   | 1860 |
| BRTR17WDS5PCFC |       |     |       | 1937 | 3395 | 1760 | 348   | 2580 |
| F              | G     | H   | I     | J    | K    | L    | M     | N    |
| 372            | 161.5 | 194 | 82    | 481  | 520  | 995  | 282   | 520  |
| 400            | 182   | 225 | 131.4 | 538  | 795  | 1484 | 441.6 | 795  |
| 525            | 47    | 108 | 150   | 566  | 1055 | 1706 | 509.5 | 1055 |

因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTNN15WSS3P BRTNN15WSS4P BRTNN15WSS5P

三/四/五轴伺服机械手  
Three/Four/Five-axis  
servo Manipulator

Product Details  
产品详情



BRTNN15WSS5P/BRTNN15WSS5P/BRTNN15WSS5P系列适用于470-800T的各种塑胶射出成型机，标配三/四/五轴AC伺服驱动，可自由定位调整夹具角度，寿命长，精度高，故障率低，维护简单，主要用于快速取出或是复杂角度取出，特别是长形状产品如汽车品，洗衣机家电用品。驱控一体控制系统：信号线少，远距离通讯，扩展性能好，抗干扰能力强，重复定位精度高，设备维护简单，故障率少。

The BRTNN15WSS3P/BRTNN15WSS4P/BRTNN15WSS5P series is suitable for various plastic injection molding machines with capacities ranging from 470 to 800T. It features three-/four-/five-axis AC servo drives, allowing free positioning and adjustment of the fixture angle. With long lifespan, high precision, low failure rate, and simple maintenance, it is primarily used for rapid extraction or complex-angle extraction, particularly for long-shaped products such as automotive parts, washing machines, and household appliances. Integrated drive and control system: features fewer signal lines, long-distance communication, excellent expandability, strong anti-interference capability, high repeat positioning accuracy, simple equipment maintenance, and low failure rate.

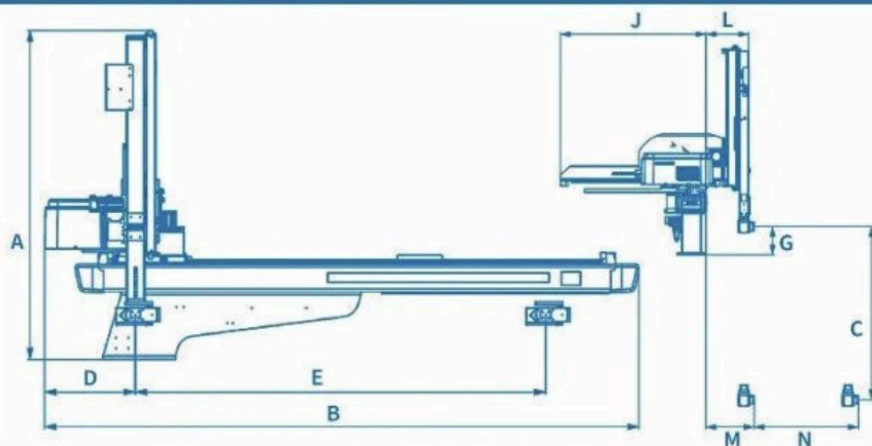
## 主要规格

## Main Specification

| 机型<br>Model  | 电源容量<br>Power Source | 适用成型机<br>Recommended<br>I.M.M | 驱动方式<br>Traverse Driven  | 治具形式<br>Model of EOAT                | 横行行程<br>Traverser<br>Stroke | 引拔行程<br>Crosswise<br>Stroke | 上下行程<br>Vertical<br>Stroke | 最大荷载<br>Max.loading | 取出时间<br>Dry Take<br>Out Time | 全循环时间<br>Dry Cycle Time | 空气消耗量<br>Air Consumption | 重量<br>Weight | 定位精度<br>Repeatability |
|--------------|----------------------|-------------------------------|--------------------------|--------------------------------------|-----------------------------|-----------------------------|----------------------------|---------------------|------------------------------|-------------------------|--------------------------|--------------|-----------------------|
| BRTNN15WSS3P | 3.2kVA               | 470T-800T                     | AC伺服马达<br>AC Servo motor | 两吸两抱<br>Tow suctions<br>Tow fixtures | 2260mm                      | 900mm                       | 1500mm                     | 15kg                | 2.74s                        | 9.03s                   | 3NI/cycle                | ≈500kg       | ±0.1mm                |
| BRTNN15WSS4P | 3.18kVA              | 470T-800T                     | AC伺服马达<br>AC Servo motor | 两吸两抱<br>Tow suctions<br>Tow fixtures | 2260mm                      | 900mm                       | 1500mm                     | 15kg                | 2.74s                        | 9.03s                   | 3.2NI/cycle              | ≈500kg       | ±0.1mm                |
| BRTNN15WSS5P | 3.23kVA              | 470T-800T                     | AC伺服马达<br>AC Servo motor | 两吸两抱<br>Tow suctions<br>Tow fixtures | 2260mm                      | 900mm                       | 1500mm                     | 15kg                | 3.73s                        | 11.23s                  | 3.2NI/cycle              | ≈500kg       | ±0.1mm                |

## 基本尺寸

## Basic size



机型表示: W: 双载式 S: 单臂机械手(成品臂) S3: 三轴AC伺服马达驱动(成品臂上下、引拔+横行) S4: 四轴AC伺服马达驱动(成品臂上下、C轴、引拔+横行) S5: 五轴AC伺服马达驱动(成品臂上下、C轴、引拔+横行)

Model representation: W: Telescopic type S: Product arm S3: Three-axis driven by AC Servo Motor(Traverse-axis, Vertical-axis+Crosswise-axis) S4: Four-axis driven by AC Servo Motor(Traverse-axis, C-axis, Vertical-axis+Crosswise-axis) S5: Five-axis driven by AC Servo Motor(Traverse-axis, AC-axis, Vertical-axis+Crosswise-axis)

上述取物时间, 循环时间为我司内部测试标准测试结果, 在机器实际使用过程中会因实际使用行程, 负载, 调试参数不同而有所变化。

The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

| 机型 Modle     |     |   |   | A      | B    | C     | D     | E    |
|--------------|-----|---|---|--------|------|-------|-------|------|
| BRTNN15WSS3P |     |   |   | 1814   | 3273 | 1500  | 501   | 2260 |
| BRTNN15WSS4P |     |   |   | 1814   | 3270 | 1500  | 498.5 | 2260 |
| BRTNN15WSS5P |     |   |   | 1831   | 3270 | 1500  | 500   | 2260 |
| F            | G   | H | I | J      | K    | L     | M     | N    |
| /            | 245 | / | / | 1249   | /    | 378   | 387   | 900  |
| /            | 246 | / | / | 1259.5 | /    | 367.5 | 417   | 900  |
| /            | 190 | / | / | 1254   | /    | 373   | 450   | 900  |

因改良等原因, 规格及外观有所变更时, 不再另行通知, 敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTNG09WSS3P BRTNG11WSS3P

三轴伺服机械手  
Three-axis servo  
Manipulator

## Product Details 产品详情



BRTNG09WSS3P/BRTNG11WSS3P系列适用于160T-480T的各型塑胶射出成型机、手臂形式双截式，单臂，三轴AC伺服驱动，取物时间快，比同类机型更加节省时间，定位精准，速度快，寿命长，故障低，安装机械手可增加产能(10-30%)，降低产品的不良率，保障操作人员的安全性，减少人工，精准控制生产量，减少浪费，保证交期。三轴驱控一体控制系统：信号线少，远距离通讯，扩展性能好，抗干扰能力强，重复定位精度高，可以同时控制多轴，设备维护简单，故障率少。

BRTNG09WSS3P/BRTNG11WSS3P series apply to all types of horizontal injection machine ranges of 160T-480T for take-out products. The vertical arm is the telescopic type with the product arm. Three-axis AC servo drive saves time than similar models, accurate positioning, and short forming cycle. After installing the manipulator, the productivity will be increased by 10-30% and will reduce the defective rate of products, ensure the safety of operators, reduce manpower and accurately control the output to reduce waste. Three-axis driver and controller integrated system: fewer signal lines, long-distance communication, good expansion performance, strong anti-interference ability, high accuracy of repeated positioning, can simultaneously control multiple axes simple equipment maintenance, and low failure rate.

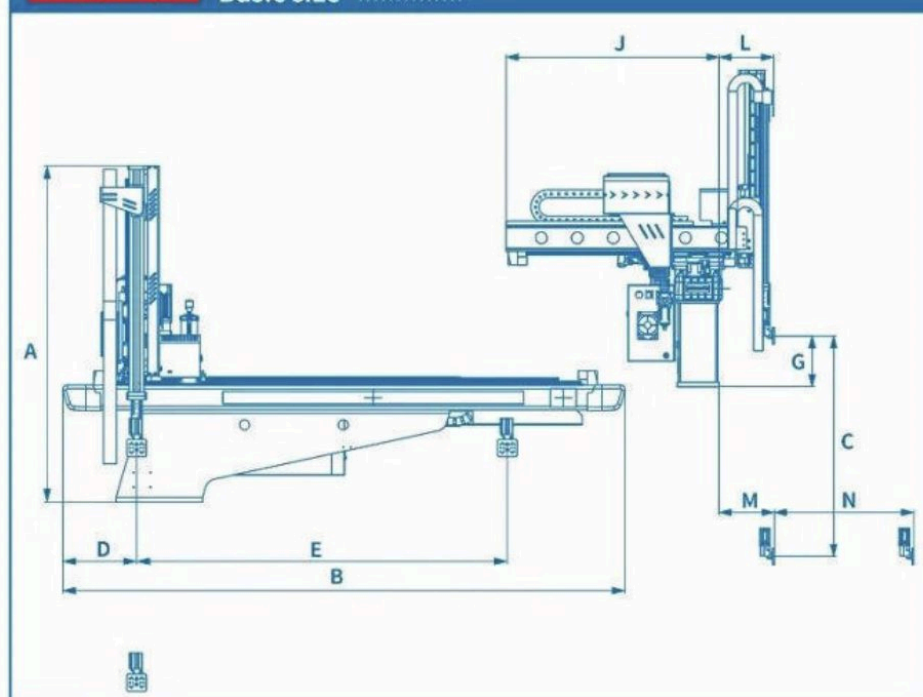
### 主要规格

### Main Specification

| 机型<br>Model   | 电源容量<br>Power Source | 适用成型机<br>Recommended<br>I.M.M | 驱动方式<br>Traverse Driven  | 治具形式<br>Model of EOAT                | 横行行程<br>Traverse<br>Stroke | 引拔行程<br>Crosswise<br>Stroke | 上下行程<br>Vertical<br>Stroke | 最大荷载<br>Max.loading | 取出时间<br>Dry Take<br>Out Time | 全循环时间<br>Dry Cycle Time | 空气消耗量<br>Air Consumption | 重量<br>Weight | 定位精度<br>Repeatability |
|---------------|----------------------|-------------------------------|--------------------------|--------------------------------------|----------------------------|-----------------------------|----------------------------|---------------------|------------------------------|-------------------------|--------------------------|--------------|-----------------------|
| BRTNG09WSS3PF | 3.23kVA              | 160T-380T                     | AC伺服马达<br>AC Servo motor | 两吸两抱<br>Tow suctions<br>Tow fixtures | 1500mm                     | 600mm                       | 950mm                      | 2kg                 | 0.68s                        | 5.61s                   | 4.07NI/cycle             | ≈300kg       | ±0.05mm               |
| BRTNG11WSS3PF | 5.38kVA              | 250T-480T                     | AC伺服马达<br>AC Servo motor | 两吸两抱<br>Tow suctions<br>Tow fixtures | 1700mm                     | 700mm                       | 1150mm                     | 2kg                 | 0.68s                        | 7.91s                   | 4.07NI/cycle             | ≈330kg       | ±0.05mm               |

### 基本尺寸

### Basic size



| 机型 Modle      |     |   |   | A    | B      | C     | D     | E    |
|---------------|-----|---|---|------|--------|-------|-------|------|
| BRTNG09WSS3PF |     |   |   | 1365 | 2275.5 | 950   | 298   | 1500 |
| BRTNG11WSS3PF |     |   |   | 1482 | 2514.5 | 1150  | 298   | 1700 |
| F             | G   | H | I | J    | K      | L     | M     | N    |
| /             | 219 | / | / | 916  | /      | 234.5 | 237.5 | 600  |
| /             | 219 | / | / | 1031 | /      | 240   | 242   | 700  |

机型表示:W:双截式 S:单臂机械手(成品臂) S3:三轴AC伺服马达驱动  
(成品臂上下、引拔+横行)  
Model representation: W:Telescopic stage, S:Product arm  
S3:Three-axis driven by AC Servo Motor(Traverse-axis, Vertical-axis+Crosswise-axis)  
上述取物时间、循环时间为我司内部测试标准测试结果，在机器实际应用过程中会因实际使用行程、负载、调试参数不同而有所变化。  
The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTM09IDS5PC/FC

五轴伺服机械手  
Five-axis servo  
Manipulator

## Product Details

产品详情

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BRTM09IDS5PC/FC系列适用于160T-320T的各种卧式射出成型机的成品取出、手臂形式单截式，双臂，五轴 AC 伺服驱动，可以应用于快速取出或模内贴，模内镶件等特殊产品应用，定位精准，速度快，寿命长，故障低，安装机械手可增加产能（10-30%）降低产品的不良率，保障操作人员的安全性，减少人工，精准控制生产量，减少浪费，保证交期。五轴驱动一体控制系统 信号线少，远距离通讯，扩展性能好，抗干扰能力强，重复定位精度高，可以同时控制多轴，设备维护简单，故障率少。

BRTM09IDS5PC series is suitable for the finished product extraction of 160T-320T horizontal injection molding machine, single-cut arm type, two arms, five-axis AC servo drive, can be used for quick removal or in-mold sticking, in-mold inserts and other special product applications. Accurate positioning, high speed, long life, low failure rate. Installing the manipulator can increase production capacity by 10-30% and will reduce the defective rate of products, ensure operator safety, and reduce manual labor. Accurately control production, reduce waste and ensure delivery. Five-axis driver and controller integrated system: fewer signal lines, long-distance communication, good expansion performance, strong anti-interference ability, high accuracy of repeated positioning, multi-axis can be controlled at the same time, simple equipment maintenance, and low failure rate.

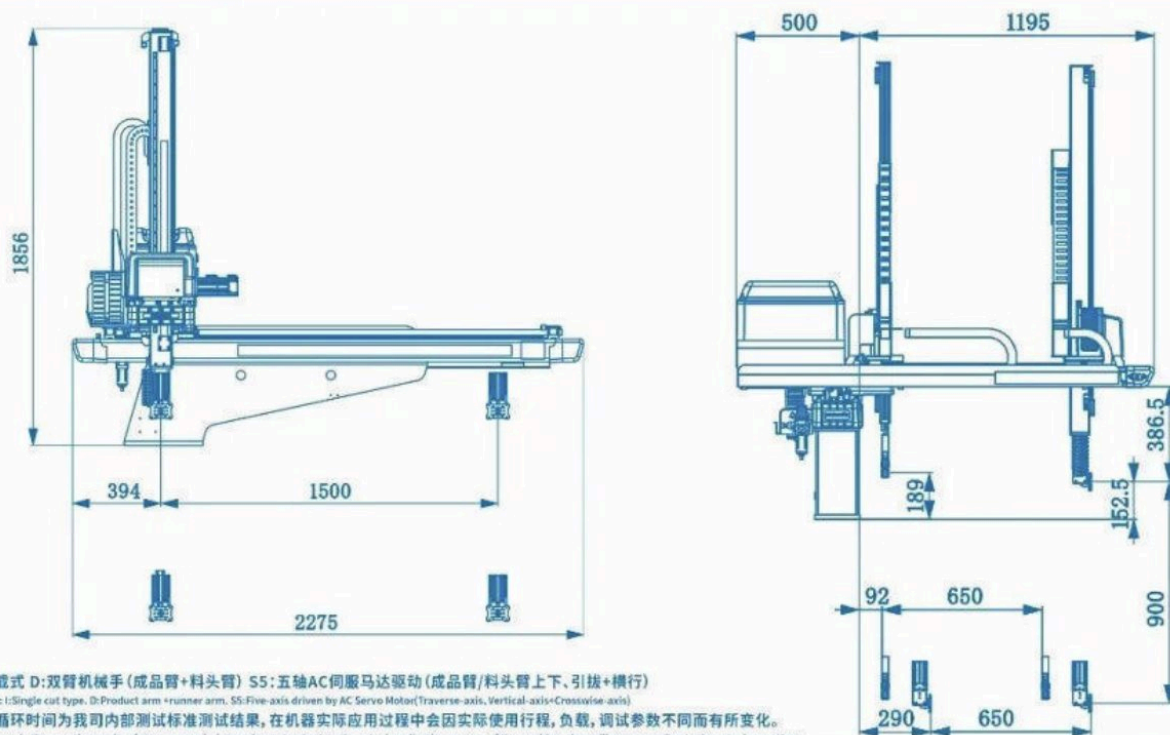
### 主要规格

### Main Specification

| 机型<br>Model     | 电源容量<br>Power Source | 适用成型机<br>Recommended I.M.M | 驱动方式<br>Traverse Driven  | 治具形式<br>Model of EOAT               | 横行行程<br>Traverse Stroke | 引拔行程<br>Crosswise Stroke | 上下行程<br>Vertical Stroke | 最大荷载<br>Max.loading | 取出时间<br>Dry Take Out Time | 全循环时间<br>Dry Cycle Time | 空气消耗量<br>Air Consumption | 重量<br>Weight | 定位精度<br>Repeatability |
|-----------------|----------------------|----------------------------|--------------------------|-------------------------------------|-------------------------|--------------------------|-------------------------|---------------------|---------------------------|-------------------------|--------------------------|--------------|-----------------------|
| BRTM09IDS5PC/FC | 3.1kVA               | 160T-320T                  | AC伺服马达<br>AC Servo motor | 两吸两抱<br>Tow suction<br>Tow fixtures | 1500mm                  | P:650mm<br>R:650mm       | 900mm                   | 10kg                | 2.74s                     | 7.6s                    | 4NI/cycle                | ≈310kg       | ±0.05mm               |

### 基本尺寸

### Basic size



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# BRTN17WSS3PC BRTN17WSS5PC

三/五轴伺服机械手  
Three/Five-axis servo  
Manipulator

## Product Details 产品详情



BRTN17WSS3PC

BRTN17WSS5PC

BRTN17WSS3PC/BRTN17WSS5PC系列适用于600T-1700T的各种型塑胶射出成型机, AC伺服驱动, 可自由定位调整夹具角度, 寿命长, 精度高, 故障率低, 维护简单, 主要用于快速取出或是复杂角度取出, 特别是长形状产品如汽车品, 洗衣机家电用品。三/五轴驱控一体控制系统: 信号线少, 远距离通讯, 扩展性能好, 抗干扰能力强, 重复定位精度高, 设备维护简单, 故障率少。

The BRTN17WSS3PC/BRTN17WSS5PC series is suitable for various types of plastic injection molding machines with capacities ranging from 600T to 1700T. Featuring AC servo drive, it allows for free positioning and adjustment of the fixture angle, offering long service life, high precision, low failure rate, and simple maintenance. Primarily used for rapid ejection or complex-angle ejection, it is especially effective for long-shaped products such as automotive parts, washing machines, and household appliances. Three/Five-axis integrated drive and control system: Few signal lines, long-distance communication, excellent scalability, strong anti-interference capability, high repeatability positioning accuracy, simple equipment maintenance, and low failure rate.

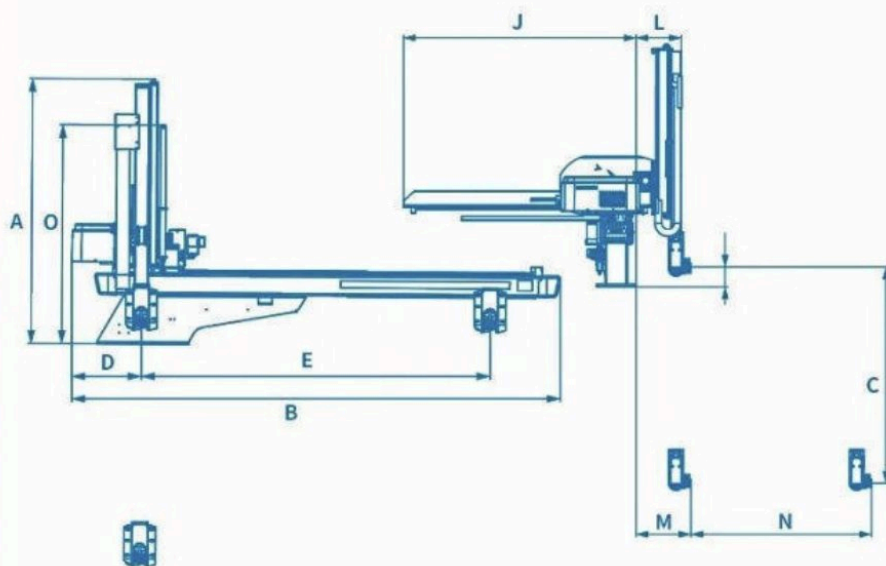
### 主要规格

### Main Specification

| 机型<br>Model  | 电源容量<br>Power Source | 适用成型机<br>Recommended<br>I.M.M | 驱动方式<br>Traverse Driven  | 治具形式<br>Model of EOAT                | 横行行程<br>Traverse<br>Stroke | 引拔行程<br>Crosswise<br>Stroke | 上下行程<br>Vertical<br>Stroke | 最大荷载<br>Max.loading | 取出时间<br>Dry Take<br>Out Time | 全循环时间<br>Dry Cycle Time | 空气消耗量<br>Air Consumption | 重量<br>Weight | 定位精度<br>Repeatability |
|--------------|----------------------|-------------------------------|--------------------------|--------------------------------------|----------------------------|-----------------------------|----------------------------|---------------------|------------------------------|-------------------------|--------------------------|--------------|-----------------------|
| BRTN17WSS3PC | 4.23kVA              | 600T-1700T                    | AC伺服马达<br>AC Servo motor | 四吸两抱<br>Four suction<br>Two fixtures | 2510mm                     | 1415mm                      | 1700mm                     | 20kg                | 4.45s                        | 13.32s                  | 15NI/cycle               | ≈585kg       | ±0.1mm                |
| BRTN17WSS5PC | 4.23kVA              | 600T-1700T                    | AC伺服马达<br>AC Servo motor | 四吸两抱<br>Four suction<br>Two fixtures | 2510mm                     | 1415mm                      | 1700mm                     | 20kg                | 4.45s                        | 13.32s                  | 15NI/cycle               | ≈585kg       | ±0.1mm                |

### 基本尺寸

### Basic size



| 机型 Modle     |       |   |   | A    | B     | C    | D    | E    |
|--------------|-------|---|---|------|-------|------|------|------|
| BRTN17WSS3PC |       |   |   | 1906 | 3512  | 1700 | 501  | 2510 |
| BRTN17WSS5PC |       |   |   | 1906 | 3512  | 1700 | 500  | 2510 |
| F            | G     | H | I | J    | L     | M    | N    | O    |
| /            | 191   | / | / | 1830 | 351   | 364  | 1415 | 1576 |
| /            | 155.5 | / | / | 1828 | 354.5 | 430  | 1415 | 1576 |

机型表示: W: 双截式 S: 单臂机械手 (成品臂)  
S3: 三轴AC伺服马达驱动 (成品臂上下、引拔+横行)  
S5: 五轴AC伺服马达驱动 (成品臂上下、引拔+横行)  
Model representation: W: Telescopic stage, S: Product arm S3: Three-axis driven by AC Servo Motor (Traverse-axis, Vertical-axis+Crosswise-axis). S5: Five-axis driven by AC Servo Motor (Traverse-axis, Vertical-axis+Crosswise-axis)  
上述取物时间, 循环时间为我司内部测试标准值, 结果, 在机器实际应用过程中会因实际使用行程, 负载, 调试参数不同而有所变化。  
The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

因改良等原因, 规格及外观有所变更时, 不再另行通知, 敬请谅解。

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# B RTP08WSS0PC

斜臂式机械手  
Swing-arm  
Manipulator

## Product Details

产品详情

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B RTP08WSS0PC机型适用于150T-250T的各型卧式射出成型机的成品取出、上下手臂为单截式/双截式,上下、引拔、旋出、旋入均采用气压驱动,速度快,效率高,安装机械手可增加产能(10-30%)降低产品的不良率,保障操作人员的安全性,减少人工,精准控制生产量,减少浪费。

B RTP08WSS0PC series applies to all types of horizontal injection machines of 150T-250T for take-out products. The up and down arm is a single/double sectional type. The up and down action, drawing part, screwing out, and screwing in of them is driven by air pressure, with high speed and high efficiency. After installing this robot, productivity will be increased by 10-30% and will reduce the defective rate of products, ensure the safety of operators, reduce manpower and accurately control the output to reduce waste.

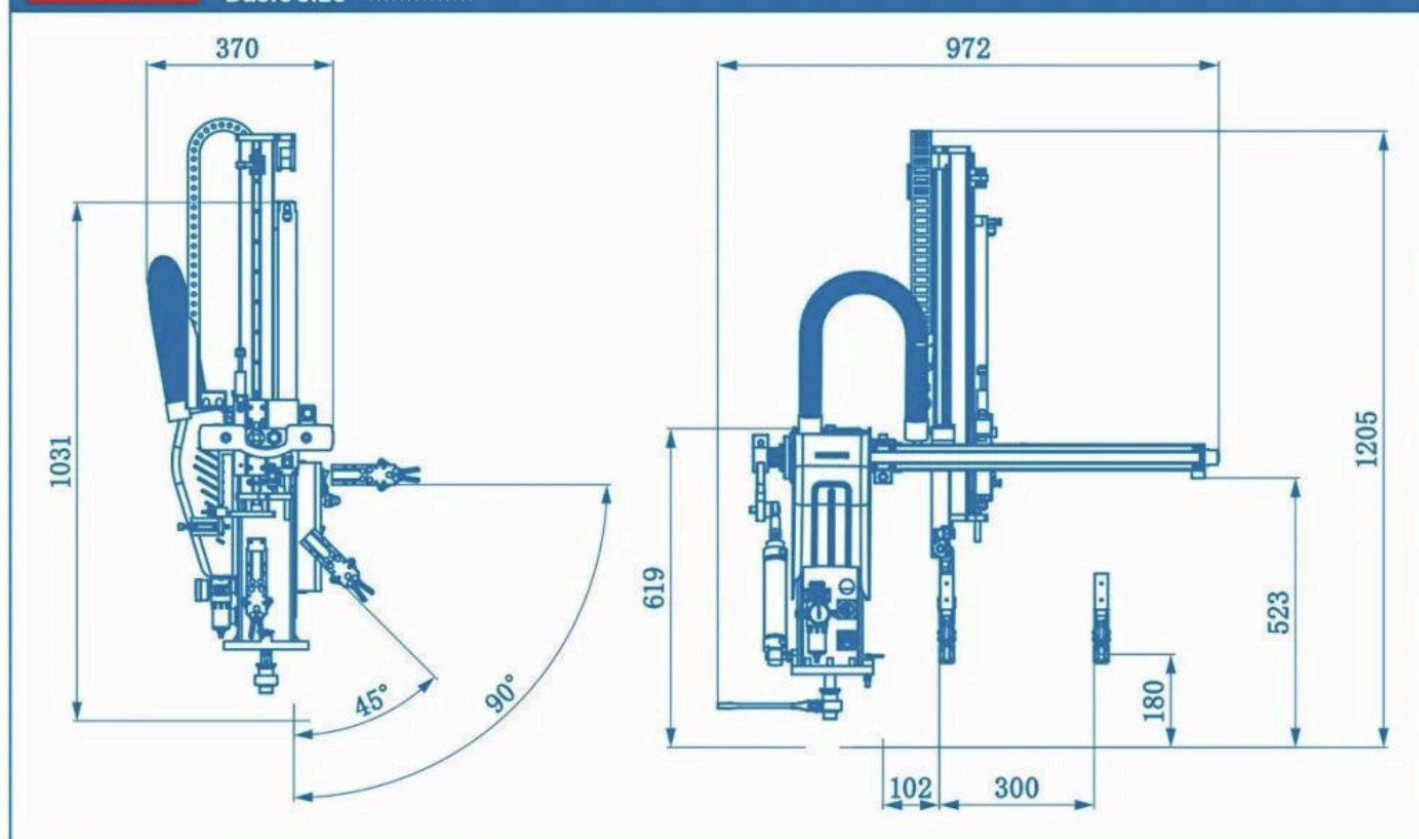
### 主要规格

#### Main Specification

| 机型<br>Model                   | 最大荷载<br>Max. loading        | 治具形式<br>Model<br>of EOAT              | 电源容量<br>Power Supply         | 本体重量<br>Weight         | 驱动方式<br>Traverser<br>Driven | 重复定位精度<br>Repeatability  | 机型表示:I:单截式 W:双截式 S:单臂机械手<br>(成品臂) S0:气缸驱动<br>Model representation: I:Single stage. W:Telescopic<br>type. S:Product arm. S0:Driven by cylinder.                                                                                                               |
|-------------------------------|-----------------------------|---------------------------------------|------------------------------|------------------------|-----------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B RTP08WSS0PC                 | 2kg                         | 零吸零抱<br>Zero suction<br>Zero fixtures | 1.27kVA                      | ≈60kg                  | 气缸驱动<br>Driven by cylinder  | ±0.05mm                  | 取物时间, 循环时间为我司内部测试标准测试结果, 在机器实际应用过程中会因实际使用行程, 负载, 调试参数不同而有所变化。<br>The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation. |
| 适用注塑机<br>Recommended<br>I.M.M | 引拔行程<br>Crosswise<br>Stroke | 上下行程<br>Vertical<br>Stroke            | 取出时间<br>Dry Take Out<br>Time | 放出角度<br>Swing<br>Angle | 全循环时间<br>Dry Cycle<br>Time  | 空气消耗量<br>Air Consumption |                                                                                                                                                                                                                                                              |
| 150T-250T                     | 300mm                       | 850mm                                 | 2s                           | 30-90Degree            | 6s                          | 3Nl/cycle                |                                                                                                                                                                                                                                                              |

### 基本尺寸

#### Basic size



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# BRTNN11WSS3P

三轴伺服机械手  
Three-axis servo  
Manipulator

## Product Details

产品详情

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BRTNN11WSS3P系列适用于250T-480T的各型塑胶射出成型机、手臂形式双截式,单臂,三轴AC伺服驱动,取物时间快,比同类机型更加节省时间,定位精准,速度快,寿命长,故障低,安装机械手可增加产能(10-30%),降低产品的不良率,保障操作人员的安全性,减少人工,精准控制生产量,减少浪费,保证交期。三轴驱控一体控制系统:信号线少,远距离通讯,扩展性能好,抗干扰能力强,重复定位精度高,可以同时控制多轴,设备维护简单,故障率少。

BRTNN11WSS3P series apply to all types of horizontal injection machine ranges of 250T-480T for take-out products. The vertical arm is the telescopic type with the product arm. Three-axis AC servo drive saves time than similar models, accurate positioning, and short forming cycle. After installing this robot, the productivity will be increased by 10-30% will reduce the defective rate of products, ensure the safety of operators, reduce manpower and accurately control the output to reduce waste. Three-axis driver and controller integrated system: fewer signal lines, long-distance communication, good expansion performance, strong anti-interference ability, high accuracy of repeated positioning, can simultaneously control multiple axes, simple equipment maintenance, and low failure rate.

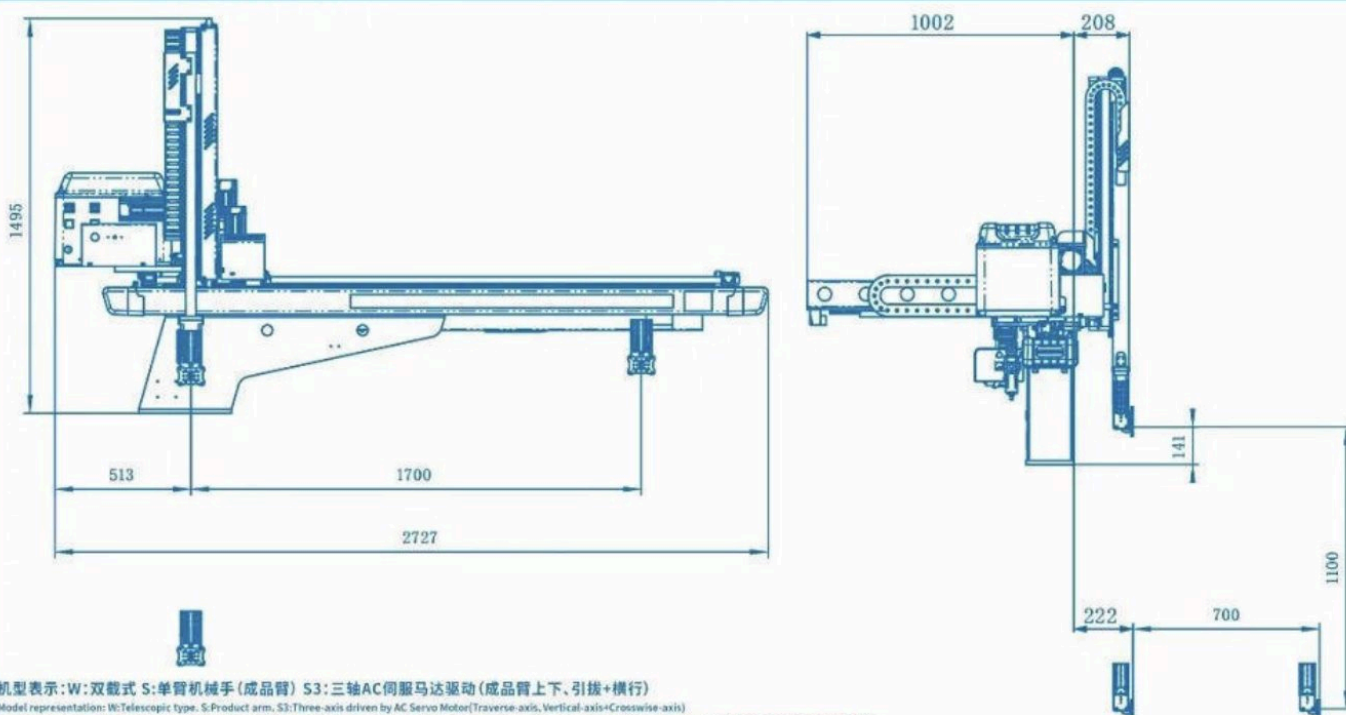
### 主要规格

### Main Specification

| 机型<br>Model  | 电源容量<br>Power Source | 适用成型机<br>Recommended I.M.M | 驱动方式<br>Traverse Driven  | 治具形式<br>Model of EOAT               | 横行行程<br>Traverser Stroke | 引拔行程<br>Crosswise Stroke | 上下行程<br>Vertical Stroke | 最大荷载<br>Max.loading | 取出时间<br>Dry Take Out Time | 全循环时间<br>Dry Cycle Time | 空气消耗量<br>Air Consumption | 重量<br>Weight | 定位精度<br>Repeatability |
|--------------|----------------------|----------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|-------------------------|---------------------|---------------------------|-------------------------|--------------------------|--------------|-----------------------|
| BRTNN11WSS3P | 2.59kVA              | 250T-480T                  | AC伺服马达<br>AC Servo motor | 两吸两抱<br>Two suction<br>Two fixtures | 1700mm                   | 700mm                    | 1100mm                  | 10kg                | 1.63s                     | 6.15s                   | 3.2NI/cycle              | ≈261kg       | ±0.05mm               |

### 基本尺寸

### Basic size



机型表示:W:双截式 S:单臂机械手(成品臂) S3:三轴AC伺服马达驱动(成品臂上下、引拔+横行)

Model representation: W:Telescopic type, S:Product arm, S3:Three-axis driven by AC Servo Motor(Traverse-axis, Vertical-axis+Crosswise-axis)

上述取物时间,循环时间为我司内部测试标准测试结果,在机器实际使用过程中会因实际使用行程,负载,调试参数不同而有所变化。

The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

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# BRTV17WSS5PC

五轴伺服机械手  
Five-axis servo  
Manipulator

## Product Details

产品详情

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BRTV17WSS5PC系列适用于600T-1300T的各型卧式射出机的成品及水口取出、安装方式与传统式的横走式不同,是将成品与料头取出放置于射出机尾端,可以节省出机的安装空间。手臂形式双截式单臂,五轴AC伺服驱动,标配AC伺服驱动轴,A轴旋转角360°,C轴旋转角180°,可自由定位调整夹具角度,寿命长,精度高,故障率低,维护简单,主要用于快速取出或是复杂角度取出应用、特别是长形状产品如汽车产品,洗衣机家电用品。五轴驱动一体控制系统 信号线少,远距离通讯,扩展性能好,抗干扰能力强,重复定位精度高,可以同时控制多轴,设备维护简单,故障率少。

BRTV17WSS5PC series applies to all types of horizontal injection machine ranges of 600T-1300T for take-out products and sprue. The installation is different from traditional beam robots, products are placed at the end of injection molding machines, which can save installation space for the ejection machine. Arm form: telescopic type and single arm, five axis AC servo drive, with AC servo drive axis, A axis rotation angle of 360°, C axis rotation angle of 180°, can freely position and adjust fixture angle, long service life, high accuracy, low failure rate, simple maintenance, mainly used for quick removal or complex angle removal applications, especially for long shaped products such as automotive products, washing machines and household appliances. Five-axis driver and controller integrated system: fewer signal lines, long-distance communication, good expansion performance, strong anti-interference ability, high accuracy of repeated positioning, can simultaneously control multiple axes, simple equipment maintenance, and low failure rate.

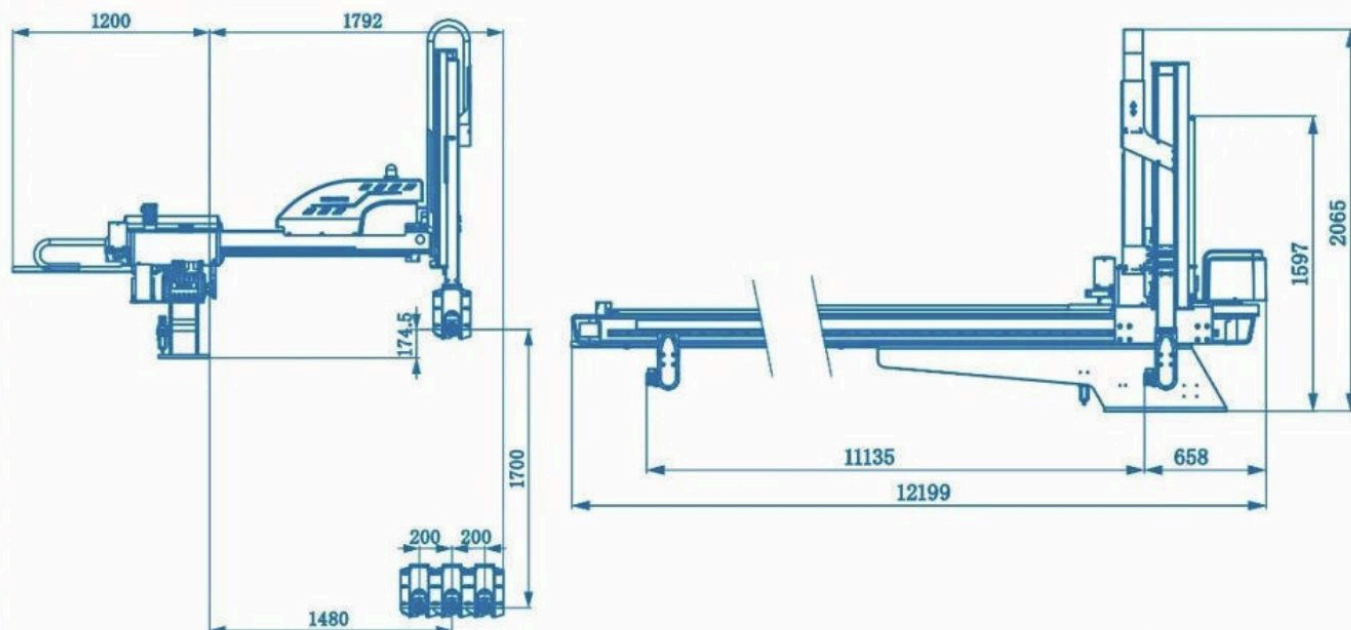
### 主要规格

### Main Specification

| 机型<br>Model  | 电源容量<br>Power Source | 适用成型机<br>Recommended I.M.M | 驱动方式<br>Traverse Driven  | 治具形式<br>Model of EOAT                | 横行行程<br>Traverse Stroke                          | 引拔调节行程<br>Crosswise Adjustment Stroke | 上下行程<br>Vertical Stroke | 最大荷载<br>Max.loading | 取出时间<br>Dry Take Out Time | 全循环时间<br>Dry Cycle Time | 空气消耗量<br>Air Consumption | 重量<br>Weight       | 定位精度<br>Repeatability |
|--------------|----------------------|----------------------------|--------------------------|--------------------------------------|--------------------------------------------------|---------------------------------------|-------------------------|---------------------|---------------------------|-------------------------|--------------------------|--------------------|-----------------------|
| BRTV17WSS5PC | 3.1kVA               | 160T-320T                  | AC伺服马达<br>AC Servo motor | 两吸两抱<br>Tow suctions<br>Tow fixtures | 横行总长12m以内<br>Traverse total arch length:12 meter | ±200mm                                | 1700mm                  | 20kg                | 5.2ts                     | 待定 Pending              | 15NI/cycle               | 非标准<br>Nonstandard | ±0.05mm               |

### 基本尺寸

### Basic size



机型表示:W:双截式 D:双臂机械手(成品臂+料头臂) S5:五轴AC伺服马达驱动(成品臂/料头臂上下、引拔+横行)  
Model representation: W:Telescopic type, D:Product arm + runner arm, S5:Five-axis driven by AC Servo Motor(Traverse-axis, Vertical-axis+Crosswise-axis).

上述取物时间,循环时间为我司内部测试标准测试结果,在机器实际使用过程中会因实际使用行程,负载,调试参数不同而有所变化。  
The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

因改良等原因,规格及外观有所变更时,不再另行通知,敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



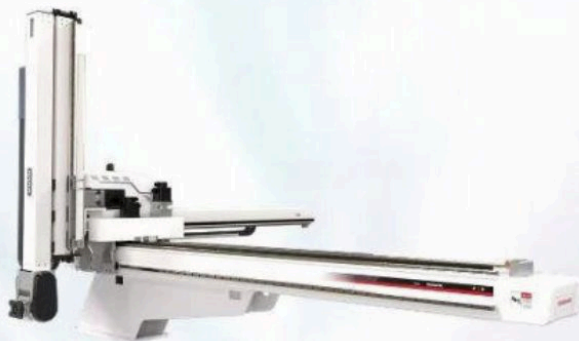
# BRTN24WSS5PC

五轴伺服机械手  
Five-axis servo  
Manipulator

## Product Details

产品详情

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BRTN24WSS5PC系列适用于1300T-2100T的各种型塑胶射出成型机、五轴AC伺服驱动,标配 AC 伺服驱动轴,A轴旋转角360°,C轴旋转角180°,可自由定位调整夹具角度,寿命长,精度高,故障率低,维护简单,主要用于快速取出或是复杂角度取出应用、特别是长形状产品如汽车产品,洗衣机家电产品。五轴驱控一体控制系统 信号线少,远距离通讯,扩展性能好,抗干扰能力强,重复定位精度高,可以同时控制多轴,设备维护简单,故障率少。

BRTN24WSS5PC is suitable for all types of 1300T-2100T plastic injection molding machines, five-axis AC servo drive, with AC servo axis on the wrist, the rotation angle of the A-axis:360°,and the rotation angle of the C-axis:180°.It can adjust fixtures freely, with long service life, high accuracy, low failure rate, and simple maintenance. It is mainly used for quick injection or complex angle injection. Especially suitable for long shape products such as automotive products, washing machines, and household appliances. Five-axis driver and controller integrated system: fewer signal lines, long-distance communication, good expansion performance, strong anti-interference ability, high accuracy of repeated positioning, can simultaneously control multiple axes, simple equipment maintenance, and low failure rate.

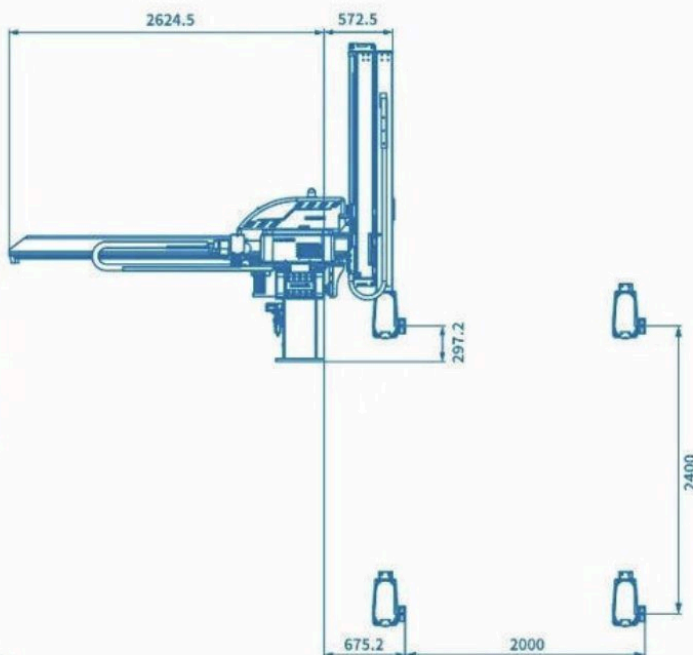
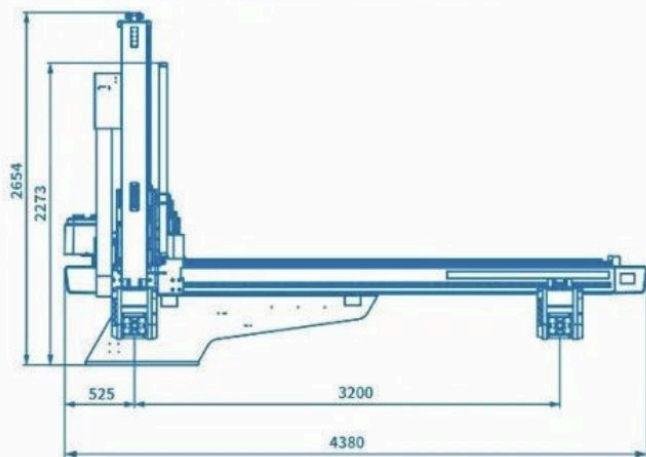
### 主要规格

### Main Specification

| 机型<br>Model    | 电源容量<br>Power Source | 适用成型机<br>Recommended I.M.M | 驱动方式<br>Traverse Driven  | 治具形式<br>Model of EOAT                | 横行行程<br>Traverser Stroke | 引拔行程<br>Crosswise Stroke | 上下行程<br>Vertical Stroke | 最大荷载<br>Max.loading | 取出时间<br>Dry Take Out Time | 全循环时间<br>Dry Cycle Time | 空气消耗量<br>Air Consumption | 重量<br>Weight | 定位精度<br>Repeatability |
|----------------|----------------------|----------------------------|--------------------------|--------------------------------------|--------------------------|--------------------------|-------------------------|---------------------|---------------------------|-------------------------|--------------------------|--------------|-----------------------|
| BRTN24WSS5PCFC | 5.9kVA               | 1300T-2100T                | AC伺服马达<br>AC Servo motor | 四吸两抱<br>Four suction<br>Two fixtures | 3200mm                   | 2000mm                   | 2400mm                  | 40kg                | 7.04s                     | 15.38s                  | 15NI/cycle               | ≈1761kg      | ±0.05mm               |

### 基本尺寸

### Basic size



机型表示:W:双臂式 S:单臂机械手(成品臂) S5:五轴AC伺服马达驱动(成品臂上下、AC轴、引拔+横行)

Model representation: W:Telescopic type, S:Product arm, S5:Five-axis driven by AC Servo Motor(Traverse-axis, AC axis, Vertical axis+Crosswise axis).

上述取物时间,循环时间为我司内部测试标准测试结果,在机器实际应用过程中会因实际使用行程,负载,调试参数不同而有所变化。

The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

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# BRTV09WDS5P0 BRTV13WDS5P0

五轴伺服机械手  
Five-axis servo  
Manipulator

## Product Details 产品详情



BRTV09WDS5P0/BRTV13WDS5P0系列适用于120T-700T的各型卧式射出机的成品及水口取出、安装方式与传统式的横走式不同,是将成品与料头取出放置于射出机尾端,可以节省出机的安装空间。手臂形式双截式,双臂,五轴AC伺服驱动,安装可节省射出机安装空间 30-40%,更充分的利用厂房,并可增加产能(20-30%),降低产品的不良率,保障操作人员的安全性,减少人工,精准的控制生产量,减少浪费。五轴驱控一体控制系统:信号线少,远距离通讯,扩展性能好,抗干扰能力强,重复定位精度高,可同时控制多轴,设备维护简单,故障率少。

BRTV09WDS5P0/BRTV13WDS5P0 series applies to all types of horizontal injection machine ranges of 120T-700T for take-out products and sprue. The installation is different from traditional beam robots, products are placed at the end of injection molding machines. It has a double arm. The vertical arm is a telescopic stage =. Five-axis AC servo drive. After installation, the installation space of the ejector can be saved by 30-40%, and the plant can be used more fully allowing better utilization of production space, productivity will be increased by 20-30%, reduce the defective rate, ensure the safety of operators, reduce manpower and accurately control the output to reduce waste. Five-axis driver and controller integrated system: fewer signal lines, long-distance communication, good expansion performance, strong anti-interference ability, high accuracy of repeated positioning, can simultaneously control multiple axes, simple equipment maintenance, and low failure rate.

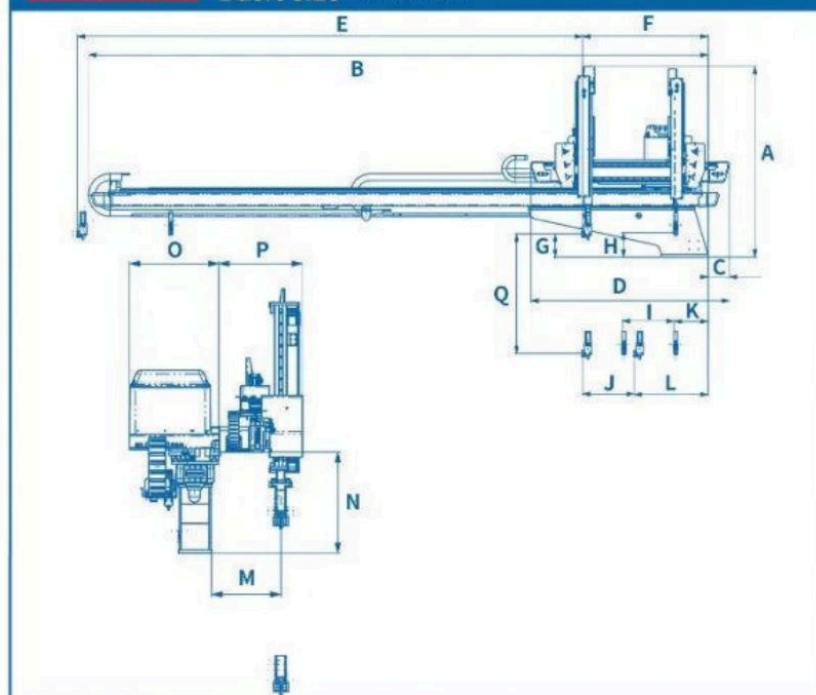
### 主要规格

### Main Specification

| 机型<br>Model  | 电源容量<br>Power Source | 适用成型机<br>Recommended<br>I.M.M | 驱动方式<br>Traverse Driven  | 治具形式<br>Model of EOAT               | 横行行程<br>Traverse Stroke                           | 引拔行程<br>Crosswise<br>Stroke | 上下行程<br>Vertical<br>Stroke | 最大荷载<br>Max.loading | 取出时间<br>Dry Take<br>Out Time | 全循环时间<br>Dry Cycle Time | 空气消耗量<br>Air Consumption | 重量<br>Weight       | 定位精度<br>Repeatability |
|--------------|----------------------|-------------------------------|--------------------------|-------------------------------------|---------------------------------------------------|-----------------------------|----------------------------|---------------------|------------------------------|-------------------------|--------------------------|--------------------|-----------------------|
| BRTV09WDS5P0 | 3.4kVA               | 120T-320T                     | AC伺服马达<br>AC Servo motor | 两吸两抱<br>Tow suction<br>Tow fixtures | 横行总长6米以内<br>Traverse total arch<br>length:6 meter | 待定<br>Pending               | 900mm                      | 5kg                 | 1.7s                         | 待定<br>Pending           | 9NI/cycle                | 非标准<br>Nonstandard | ±0.05mm               |
| BRTV13WDS5P0 | 3.4kVA               | 320T-700T                     | AC伺服马达<br>AC Servo motor | 两吸两抱<br>Tow suction<br>Tow fixtures | 横行总长6米以内<br>Traverse total arch<br>length:6 meter | 待定<br>Pending               | 1300mm                     | 8kg                 | 2.3s                         | 待定<br>Pending           | 9NI/cycle                | 非标准<br>Nonstandard | ±0.05mm               |

### 基本尺寸

### Basic size



| 机型 Model     |            |   |       | A      | B          | C   | D          | E          | F | G     |
|--------------|------------|---|-------|--------|------------|-----|------------|------------|---|-------|
| BRTV09WDS5P0 |            |   |       | 1553.5 | ≤6000      | 621 | 待定 Pending |            |   | 174   |
| BRTV13WDS5P0 |            |   |       | 1614   | ≤6000      | 621 | 待定 Pending |            |   | 167.5 |
| H            | I          | J | K     | L      | M          | N   | O          | P          |   | Q     |
| 187          | 待定 Pending |   | 255   | 555    | 待定 Pending | 549 | 445.5      | 待定 Pending |   | 900   |
| 191          | 待定 Pending |   | 253.5 | 399    | 待定 Pending | 549 | 481        | 待定 Pending |   | 1300  |

机型表示:W:双截式 D:双臂机械手(成品臂+料头臂) S5:五轴AC伺服马达驱动(成品臂/料头臂上下、引拔+横行)

Model representation: W: Telescopic type. D: Product arm+runner arm. S5: Five-axis driven by AC Servo Motor(Traverse-axis, Vertical-axis+Crosswise-axis).

上述取物时间,循环时间为我司内部测试标准测试结果,在机器实际应用过程中会因实际使用行程,负载,调试参数不同而有所变化。

The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

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# B RTP07ISS1PC

一轴伺服机械手  
One-axis servo  
Manipulator

## Product Details

产品详情

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B RTP07ISS1PC 机型适用于60T-200T的各型卧式射出成型机的成品取出、上下手臂为单截式,上下采用AC伺服马达驱动,定位精准,速度快,寿命长,故障低,其余部位采用气压驱动,经济实惠。安装机械手可增加产能( 10-30% )降低产品的不良率,保障操作人员的安全性,减少人工,精准控制生产量,减少浪费。

B RTP07ISS1PC series applies to all types of horizontal injection machines of 60T-200T for take-out products. The up and down arm is a single sectional type. The up and down action is driven by AC servo motor, with accurate positioning, fast speed, long service life, and low failure rate. The rest parts are driven by air pressure. It is economical and affordable. After installing this robot, productivity will be increased by 10-30% and will reduce the defective rate of products, ensure the safety of operators, reduce manpower and accurately control the output to reduce waste.

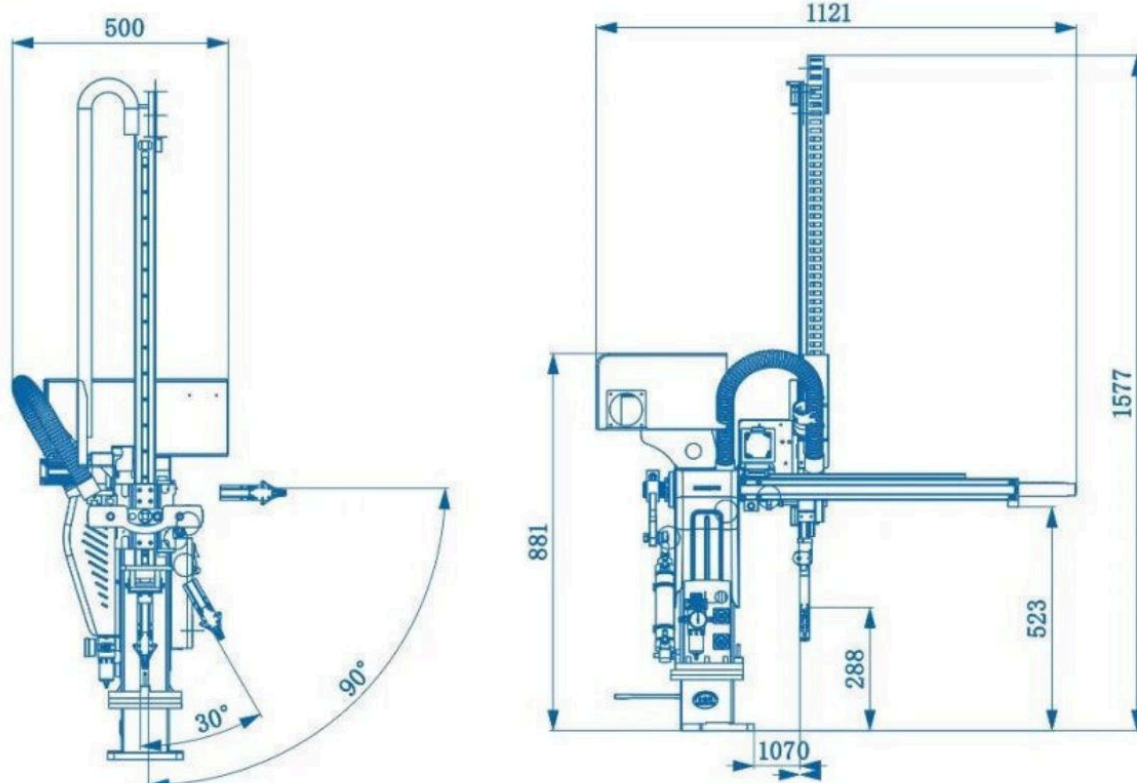
### 主要规格

#### Main Specification

| 机型<br>Model                | 最大荷载<br>Max. loading     | 治具形式<br>Model of EOAT                 | 电源容量<br>Power Supply      | 本体重量<br>Weight                        | 全循环时间<br>Dry Cycle Time | 重复定位精度<br>Repeatability  | 机型表示: I: 单截式 W: 双截式 S1: 一轴AC伺服马达驱动(成品臂/料头臂上下)<br>Model representation: I: Single stage. W: Telescopic type. S1: One-axis driven by AC Servo Motor(Traverse-axis)                                                                                             |
|----------------------------|--------------------------|---------------------------------------|---------------------------|---------------------------------------|-------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B RTP07ISS1PC              | 2kg                      | 零吸零抱<br>Zero suction<br>Zero fixtures | 1.27kVA                   | ≈50kg                                 | 5s                      | ±0.05mm                  | 取物时间, 循环时间为我司内部测试标准测试结果, 在机器实际应用过程中会因实际使用行程, 负载, 调试参数不同而有所变化。<br>The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation. |
| 适用注塑机<br>Recommended I.M.M | 引拔行程<br>Crosswise Stroke | 上下行程<br>Vertical Stroke               | 取出时间<br>Dry Take Out Time | 驱动方式<br>Traverser Driven              |                         | 空气消耗量<br>Air Consumption |                                                                                                                                                                                                                                                              |
| 60T-200T                   | 115mm                    | 750mm                                 | 1.4s                      | AC伺服马达、气缸<br>AC Servo motor, Cylinder |                         | 3NI/cycle                |                                                                                                                                                                                                                                                              |

### 基本尺寸

#### Basic size



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# BRTR07WDS5PC BRTR08TDS5PC BRTR11WDS5PC

五轴伺服机械手  
Five-axis servo  
Manipulator

## Product Details 产品详情

BRTR07WDS5PC/BRTR08TDS5PC/BRTR11WDS5PC系列适用于50T-470T的各种卧式射出成型机的成品及水口取出、手臂形式为双截式，双臂，五轴AC伺服驱动，可以应用于快速取出或模内贴，模内镶件等特殊产品应用，定位精准，速度快，寿命长，故障低，安装机械手可增加产能 (10-30%)，降低产品的不良率，保障操作人员的安全性，减少人工，精准控制生产量，减少浪费，保证交期。五轴驱动一体控制系统：信号线少，远距离通讯，扩展性能好，抗干扰能力强，重复定位精度高，可以同时控制多轴，设备维护简单，故障率低。

BRTR07WDS5PC/BRTR08TDS5PC/BRTR11WDS5PC series is suitable for 50T-470T horizontal injection molding machine to take out the finished product and nozzle, arm form telescopic stage, two-arm, five-axis AC servo drive, can be used for quick removal or in-mold sticking, in-mold inserts and other special product applications. Accurate positioning, high speed, long life, and low failure rate. After installing the manipulator can increase production capacity (10-30%) and will reduce the defective rate of products, ensure the safety of operators, and reduce manpower. Accurately control production, reduce waste and ensure delivery. Five-axis driver and controller integrated system: fewer signal lines, long-distance communication, good expansion performance, strong anti-interference ability, high accuracy of repeated positioning, multi-axis can be controlled at the same time, simple equipment maintenance, and low failure rate.

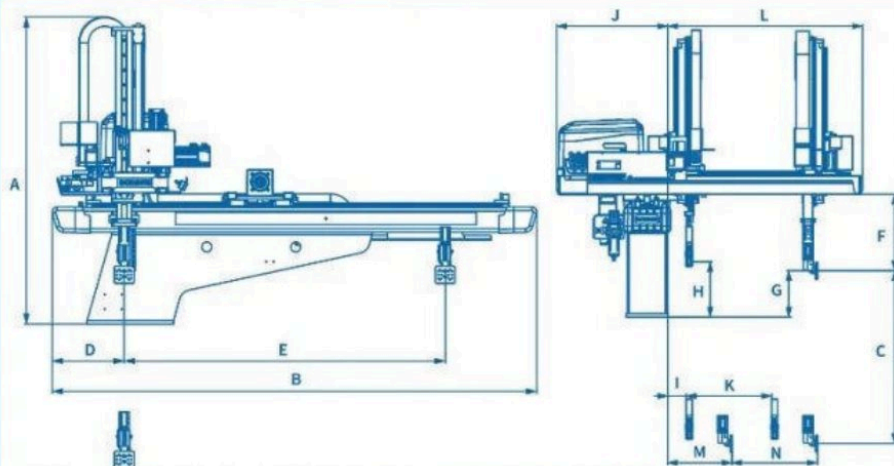
### 主要规格

### Main Specification

| 机型<br>Model  | 电源容量<br>Power Source | 适用成型机<br>Recommended I.M.M | 驱动方式<br>Traverse Driven  | 治具形式<br>Model of EOAT                 | 横行程<br>Traverse Stroke | 引拔行程<br>Crosswise Stroke | 上下行程<br>Vertical Stroke | 最大荷载<br>Max.loading | 取出时间<br>Dry Take Out Time | 全循环时间<br>Dry Cycle Time | 空气消耗量<br>Air Consumption | 重量<br>Weight | 定位精度<br>Repeatability |
|--------------|----------------------|----------------------------|--------------------------|---------------------------------------|------------------------|--------------------------|-------------------------|---------------------|---------------------------|-------------------------|--------------------------|--------------|-----------------------|
| BRTR07WDS5PC | 3.32kVA              | 50T-200T                   | AC伺服马达<br>AC Servo motor | 四吸两抱<br>Four suctions<br>Two fixtures | 1300mm                 | P:370mm<br>R:370mm       | 750mm                   | 3kg                 | 1.32s                     | 4.95s                   | 4NI/cycle                | 230kg        | ±0.05mm               |
| BRTR08TDS5PC | 3.57kVA              | 50T-230T                   | AC伺服马达<br>AC Servo motor | 四吸两抱<br>Four suctions<br>Two fixtures | 1300mm                 | P:430mm<br>R:430mm       | 810mm                   | 3kg                 | 0.92s                     | 4.55s                   | 4NI/cycle                | 295kg        | ±0.05mm               |
| BRTR11WDS5PC | 4.6kVA               | 320T-470T                  | AC伺服马达<br>AC Servo motor | 四吸两抱<br>Four suctions<br>Two fixtures | 1700mm                 | P:720mm<br>R:720mm       | 1100mm                  | 10kg                | 2.49s                     | 7.2s                    | 4NI/cycle                | 255kg        | ±0.05mm               |

### 基本尺寸

### Basic size



机型表示: W: 双截式 T: 三截式 D: 双臂机械手 (成品臂+料头臂) S5: 五轴AC伺服马达驱动 (成品臂/料头臂上下、引拔+横行)

Model representation: W: Telescopic type, T: Ternary form, D: Product arm+runner arm, S5: Five-axis driven by AC Servo Motor (Traverse-axis, Vertical-axis+Crosswise-axis).

上述取物时间、循环时间为我司内部测试标准测试结果，在机器实际应用过程中会因实际使用行程、负载、调试参数不同而有所变化。

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| 机型 Model     | A      | B      | C    | D   | E    |
|--------------|--------|--------|------|-----|------|
| BRTR07WDS5PC | 1245   | 1926.5 | 750  | 292 | 1300 |
| BRTR08TDS5PC | 910    | 2279   | 810  | 476 | 1300 |
| BRTR11WDS5PC | 1426.5 | 2342   | 1100 | 290 | 1700 |

| F   | G   | H   | I     | J     | K   | L      | M   | N   |
|-----|-----|-----|-------|-------|-----|--------|-----|-----|
| 333 | 200 | 240 | 80    | 482   | 370 | 844    | 278 | 370 |
| 259 | 85  | 92  | 106.5 | 321.5 | 430 | 1045.5 | 227 | 430 |
| 369 | 165 | 176 | 106   | 481   | 720 | 1200   | 286 | 720 |

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# BRTHC100501A

焊接工作站  
Welding Workstation

## Product Details

产品详情

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BRTHC100501A是伯朗特针对焊接行业开发的一款工作站，其工作半径1000mm,负载5kg,采用协作机器人加焊接手柄，标配焊机焊枪。

- 1.灵活部署：把手+万向轮轻松移动，地脚锁稳，气瓶焊机一体集成，仅需电源即可作业。
- 2.一吸即焊：机器人配有磁吸底座，3米电缆，自由作业。
- 3.编程简单：机器人拖动丝滑，手柄有屏幕显示+按键记录点位，微调旋钮精准校准，一键送丝调试快方便，小白也可以轻松上手。
- 4.一调即稳：焊接参数智能匹配，电源隔离防干扰，配500A焊机和500A水冷焊枪。面对钢结构、零部件等复杂应用场景也能轻松应对。

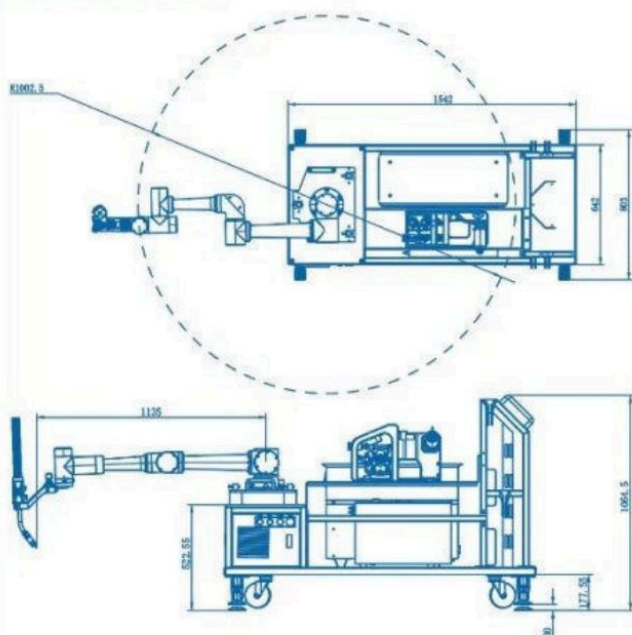
BRTHC100501A is a workstation developed by BORUNTE for the welding industry. It features a 1000mm working radius and 5kg payload. Equipped with a collaborative robot and welding handle, it comes with a standard-configured welding machine and welding gun.

1. Flexible Deployment: Easy to move with handles and universal casters; fixed stably with floor supports. The gas cylinder and welding machine are integrated as a whole—only a power supply is required for operation.
2. Magnetic Positioning & Ready-to-Weld: The robot is fitted with a magnetic base and a 3-meter cable for flexible operation range.
3. Simple Programming: Smooth drag-and-drop teaching for the robot; the welding handle is equipped with a display screen & keys for point recording, plus fine-tuning knobs for precise calibration. One-click wire feeding enables fast debugging; easy for novice operators to master.
4. Stable Parameter Adjustment: Intelligent matching of welding parameters; isolated power supply for anti-interference performance. Matched with a 500A welding machine and a 500A water-cooled welding gun. It handles complex application scenarios such as steel structures and mechanical parts with ease.

### 基本尺寸

#### Basic size

运动范围 Motion range



### 主要规格

#### Main Specification

| 项目<br>Item         | 手臂 Arm          |                |                        | 手腕 Wrist        |                 |                 |
|--------------------|-----------------|----------------|------------------------|-----------------|-----------------|-----------------|
|                    | J1              | J2             | J3                     | J4              | J5              | J6              |
| 范围<br>Range        | $\pm 180^\circ$ | $\pm 90^\circ$ | $-70^\circ/+250^\circ$ | $\pm 180^\circ$ | $\pm 360^\circ$ | $\pm 360^\circ$ |
| 最大速度<br>Max. speed | 178°/s          | 178°/s         | 178°/s                 | 178°/s          | 178°/s          | 178°/s          |

### 基本参数

#### Main Specification

|                                           |                           |
|-------------------------------------------|---------------------------|
| 最大臂展<br>Maximum arm span                  | 1000mm                    |
| 最大负载<br>Maximum load                      | 5kg                       |
| 焊枪<br>Welding gun                         | 500A 水冷 500A water-cooled |
| 焊机<br>Welding machine                     | 500A                      |
| 重复定位精度<br>Repetitive positioning accuracy | $\pm 0.05\text{mm}$       |
| 本体重量<br>Weight                            | $\approx 125\text{kg}$    |
| 电源容量<br>Power Supply                      | 35kVA                     |
| 占地面积<br>Floor space                       | 1542*803mm                |
| 焊接手柄<br>Welding handle                    | 标配 Standard configuration |

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# BRTHC100502A

焊接工作站  
Welding Workstation

## Product Details

产品详情

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BRTHC100502A是伯朗特针对焊接行业开发的一款工作站，其工作半径1000mm,负载5kg,采用协作机器人加焊接手柄，标配焊机焊枪。

- 1.灵活部署：把手+万向轮轻松移动，地脚锁稳，气瓶焊机一体集成，仅需电源即可作业。
- 2.一吸即焊：机器人配有磁吸底座，3米电缆，自由作业。
- 3.编程简单：机器人拖动丝滑，手柄有屏幕显示+按键记录点位，微调旋钮精准校准，一键送丝调试快方便，小白也可以轻松上手。
- 4.一调即稳：焊接参数智能匹配，电源隔离防干扰，配350A焊机和500A空冷焊枪。面对钢结构、零部件等复杂应用场景也能轻松应对。

BRTHC100502A is a workstation developed by BORUNTE for the welding industry. It features a 1000mm working radius and 5kg payload. Equipped with a collaborative robot and welding handle, it comes with a standard-configured welding machine and welding gun.

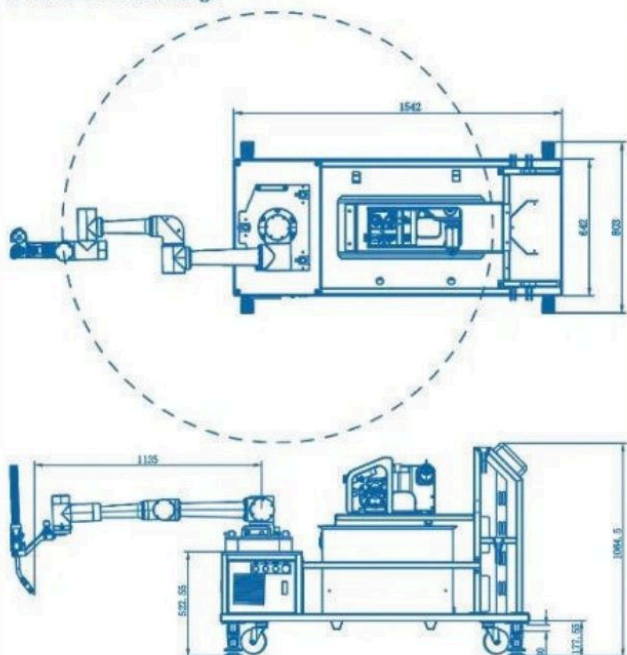
1. Flexible Deployment: Easy to move with handles and universal casters; fixed stably with floor supports. The gas cylinder and welding machine are integrated as a whole—only a power supply is required for operation.
2. Magnetic Positioning & Ready-to-Weld: The robot is fitted with a magnetic base and a 3-meter cable for flexible operation range.
3. Simple Programming: Smooth drag-and-drop teaching for the robot; the welding handle is equipped with a display screen & keys for point recording, plus fine-tuning knobs for precise calibration. One-click wire feeding enables fast debugging; easy for novice operators to master.
4. Stable Parameter Adjustment: Intelligent matching of welding parameters; isolated power supply for anti-interference performance. Matched with a 350A welding machine and a 500A air-cooled welding gun. It handles complex application scenarios such as steel structures and mechanical parts with ease.

### 基本尺寸

#### Basic size

//////////

运动范围 Motion range



### 主要规格

#### Main Specification

//////////

| 项目<br>Item         | 手臂 Arm          |                |                        | 手腕 Wrist        |                 |                 |
|--------------------|-----------------|----------------|------------------------|-----------------|-----------------|-----------------|
|                    | J1              | J2             | J3                     | J4              | J5              | J6              |
| 范围<br>Range        | $\pm 180^\circ$ | $\pm 90^\circ$ | $-70^\circ/+250^\circ$ | $\pm 180^\circ$ | $\pm 360^\circ$ | $\pm 360^\circ$ |
| 最大速度<br>Max. speed | 178°/s          | 178°/s         | 178°/s                 | 178°/s          | 178°/s          | 178°/s          |

### 基本参数

#### Main Specification

//////////

|                                        |                           |
|----------------------------------------|---------------------------|
| 最大臂展 Maximum arm span                  | 1000mm                    |
| 最大负载 Maximum load                      | 5kg                       |
| 焊枪 Welding gun                         | 500A 空冷 500A air-cooled   |
| 焊机 Welding machine                     | 350A                      |
| 重复定位精度 Repetitive positioning accuracy | $\pm 0.05\text{mm}$       |
| 本体重量 Weight                            | $\approx 110\text{kg}$    |
| 电源容量 Power Supply                      | 20kVA                     |
| 占地面积 Floor space                       | 1542*803mm                |
| 焊接手柄 Welding handle                    | 标配 Standard configuration |

因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



# BRTMD193501A

码垛工作站  
Palletizing workstation

## Product Details

产品详情

//////////



BRTMD193501A是伯朗特针对码垛行业开发的一款工作站,其工作半径达到1895mm,负载35kg,采用升降台+专版码垛大屏系统构成,支持双语操作,可广泛应用于纸箱医药食品等多个行业生产线,提高产线智能化程度。

- 1.部署灵活:集成化设计,轻巧灵活,即插即用。
- 2.简易编程:图像化显示,编程操作简单高效,10分钟内就可轻松完成编程。
- 3.标配升降台,升降高度0-500mm。
- 4.码垛速度每分钟9-10箱,可轻松完成左右双码垛。
- 5.预留输送带连接孔位,客户需根据孔位自行配置输送带。

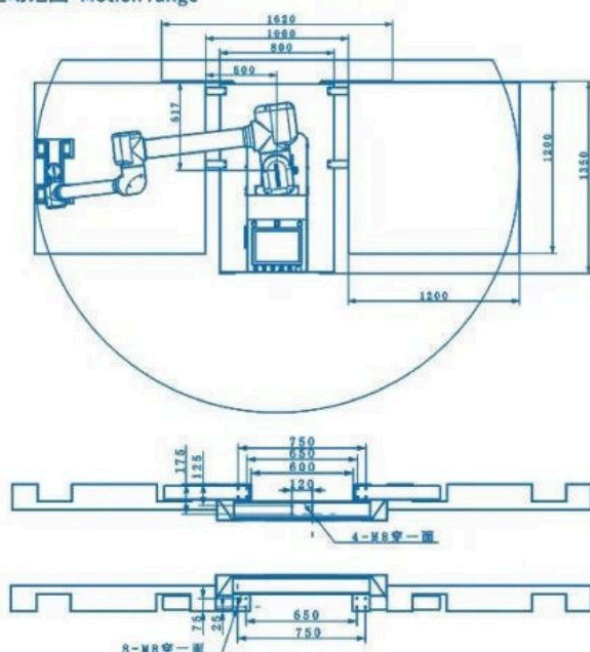
BRTMD193501A is a workstation developed by BORUNTE for the palletizing industry, with a working radius of 1895mm and a load of 35kg. It is composed of a lifting platform and a specialized palletizing large screen system, supporting bilingual operation. It can be widely used in multiple industries such as cardboard boxes, pharmaceuticals, and food, improving the intelligence level of the production line.

1. Flexible deployment: Integrated design, lightweight and flexible, plug and play.
2. Easy programming: graphical display, simple and efficient programming operation, can be easily completed within 10 minutes.
3. Standard lifting platform with a lifting height of 0-500mm
4. The Palletizing speed 9-10 boxes per minute, making it easy to complete both left and right palletizing.
5. Reserve connection holes for the conveyor belt, and customers need to configure the conveyor belt according to the hole positions themselves.

### 基本尺寸

#### Basic size

运动范围 Motion range



### 主要规格

#### Main Specification

| 项目<br>Item        | 手臂 Arm          |                 |                        | 手腕 Wrist        |                 |                       |
|-------------------|-----------------|-----------------|------------------------|-----------------|-----------------|-----------------------|
|                   | J1              | J2              | J3                     | J4              | J5              | 升降轴<br>Elevating Axis |
| 范围<br>Range       | $\pm 180^\circ$ | $\pm 180^\circ$ | $-60^\circ/+160^\circ$ | $\pm 120^\circ$ | $\pm 360^\circ$ | 0-500mm               |
| 最大速度<br>Max.speed | 140°/s          | 140°/s          | 122°/s                 | 145°/s          | 225°/s          | 250mm/s               |

### 基本参数

#### Main Specification

|                                           |                                            |
|-------------------------------------------|--------------------------------------------|
| 最大臂展 Maximum arm span                     | 1895mm                                     |
| 最大负载 Maximum load                         | 35kg                                       |
| 码垛高度 Palletizing height                   | 2350mm(含栈板高度)<br>(including pallet height) |
| 码垛速度 Palletizing speed                    | 9-10 pcs/min                               |
| 重复定位精度<br>Repetitive positioning accuracy | $\pm 0.1\text{mm}$                         |
| 本体重量 Weight                               | $\approx 487\text{kg}$                     |
| 电源容量 Power Supply                         | 5.76kVA                                    |
| 占地面积 Floor space                          | 1620*1350mm                                |
| 设备总高 Total height of equipment            | 3m                                         |

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# BRTMD195001A

码垛工作站  
Palletizing workstation

## Product Details

产品详情

//////////



BRTMD195001A是伯朗特针对码垛行业开发的一款工作站,其工作半径达到1895MM,负载50KG,采用升降台+专版码垛大屏系统构成,支持双语操作,可广泛应用于纸箱医药食品等多个行业生产线,提高产线智能化程度。

- 1.部署灵活:集成化设计,轻巧灵活,即插即用。
- 2.简易编程:图像化显示,编程操作简单高效,10分钟内就可轻松完成编程。
- 3.标配升降台,升降高度0-500MM。
- 4.码垛速度每分钟7-8箱,可轻松完成左右双码垛。
- 5.预留输送带连接孔位,客户需根据孔位自行配置输送带。

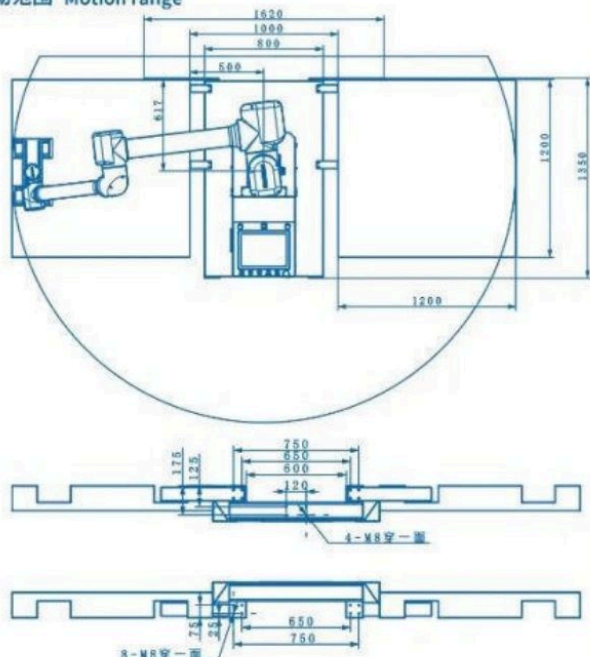
BRTMD195001A is a workstation developed by BORUNTE for the palletizing industry, with a working radius of 1895MM and a load of 50KG. It is composed of a lifting platform and a specialized palletizing large screen system, supporting bilingual operation. It can be widely used in multiple industries such as cardboard boxes, pharmaceuticals, and food, improving the intelligence level of the production line.

1. Flexible deployment: Integrated design, lightweight and flexible, plug and play.
2. Easy programming: graphical display, simple and efficient programming operation, can be easily completed within 10 minutes.
3. Standard lifting platform with a lifting height of 0-500MM.
4. The Palletizing speed 9-10 boxes per minute, making it easy to complete both left and right palletizing.
5. Reserve connection holes for the conveyor belt, and customers need to configure the conveyor belt according to the hole positions themselves.

### 基本尺寸

#### Basic size

运动范围 Motion range



### 主要规格

#### Main Specification

| 项目<br>Item        | 手臂 Arm          |                 |                        | 手腕 Wrist        |                 |                       |
|-------------------|-----------------|-----------------|------------------------|-----------------|-----------------|-----------------------|
|                   | J1              | J2              | J3                     | J4              | J5              | 升降轴<br>Elevating Axis |
| 范围<br>Range       | $\pm 180^\circ$ | $\pm 180^\circ$ | $-60^\circ/+160^\circ$ | $\pm 120^\circ$ | $\pm 360^\circ$ | 0-500mm               |
| 最大速度<br>Max.speed | 140°/s          | 135°/s          | 122°/s                 | 145°/s          | 225°/s          | 250mm/s               |

### 基本参数

#### Main Specification

|                                           |                                            |
|-------------------------------------------|--------------------------------------------|
| 最大臂展 Maximum arm span                     | 1895mm                                     |
| 最大负载 Maximum load                         | 50kg                                       |
| 码垛高度 Palletizing height                   | 2350mm(含栈板高度)<br>(including pallet height) |
| 码垛速度 Palletizing speed                    | 7-8 pcs/min                                |
| 重复定位精度<br>Repetitive positioning accuracy | $\pm 0.1\text{mm}$                         |
| 本体重量 Weight                               | $\approx 487\text{kg}$                     |
| 电源容量 Power Supply                         | 5.76kVA                                    |
| 占地面积 Floor space                          | 1620*1350mm                                |
| 设备总高 Total height of equipment            | 3m                                         |

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# BRTMD163001A

码垛工作站  
Palletizing workstation

## Product Details

产品详情

//////////



BRTMD163001A是伯朗特针对码垛行业开发的一款工作站,其工作半径达到1600MM,负载30KG,采用升降台+专版码垛大屏系统构成,支持双语操作,可广泛应用于纸箱医药食品等多个行业生产线,提高产线智能化程度。

- 1.部署灵活:集成化设计,轻巧灵活,即插即用。
- 2.简易编程:图像化显示,编程操作简单高效,10分钟内就可轻松完成编程。
- 3.标配升降台,升降高度0-500MM。
- 4.码垛速度每分钟 $\leq 7$ 箱,可轻松完成左右双码垛。
- 5.预留输送带连接孔位,客户需根据孔位自行配置输送带。

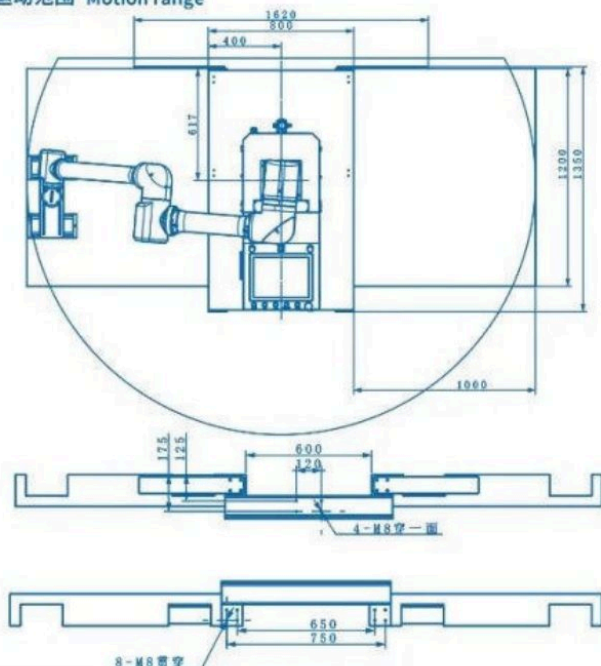
BRTMD163001A is a workstation developed by BORUNTE for the palletizing industry, with a working radius of 1600MM and a load of 30KG. It is composed of a lifting platform and a specialized palletizing large screen system, supporting bilingual operation. It can be widely used in multiple industries such as cardboard boxes, pharmaceuticals, and food, improving the intelligence level of the production line.

1. Flexible deployment: Integrated design, lightweight and flexible, plug and play.
2. Easy programming: graphical display, simple and efficient programming operation, can be easily completed within 10 minutes.
3. Standard lifting platform with a lifting height of 0-500MM.
4. The Palletizing speed  $\leq 7$  boxes per minute, making it easy to complete both left and right palletizing.
5. Reserve connection holes for the conveyor belt, and customers need to configure the conveyor belt according to the hole positions themselves.

### 基本尺寸

#### Basic size

运动范围 Motion range



### 主要规格

#### Main Specification

| 项目<br>Item        | 手臂 Arm          |                 |                        | 手腕 Wrist        |                 |                       |
|-------------------|-----------------|-----------------|------------------------|-----------------|-----------------|-----------------------|
|                   | J1              | J2              | J3                     | J4              | J5              | 升降轴<br>Elevating Axis |
| 范围<br>Range       | $\pm 180^\circ$ | $\pm 180^\circ$ | $-65^\circ/+250^\circ$ | $\pm 180^\circ$ | $\pm 360^\circ$ | 0-500mm               |
| 最大速度<br>Max.speed | 121°/s          | 112°/s          | 107°/s                 | 182°/s          | 150°/s          | 250mm/s               |

### 基本参数

#### Main Specification

|                                           |                                            |
|-------------------------------------------|--------------------------------------------|
| 最大臂展 Maximum arm span                     | 1600mm                                     |
| 最大负载 Maximum load                         | 30kg                                       |
| 码垛高度 Palletizing height                   | 2150mm(含栈板高度)<br>(including pallet height) |
| 码垛速度 Palletizing speed                    | $\leq 7$ pcs/min                           |
| 重复定位精度<br>Repetitive positioning accuracy | $\pm 0.1$ mm                               |
| 本体重量 Weight                               | $\approx 440$ kg                           |
| 电源容量 Power Supply                         | 3.47kVA                                    |
| 占地面积 Floor space                          | 1620*1350mm                                |
| 设备总高 Total height of equipment            | 3m                                         |

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### 2D视觉 2D visual

成品料号: BRTSJ2040641  
(Finished Product Material code)



伯朗特2D视觉系统,能够应用于流水线无序摆放产品的抓取装箱、摆盘等应用。  
BORUNTE 2D visual system can be applied to applications such as grabbing, packing, and placing products in an disorderly manner on an assembly line.

### 非磁性分张器 Non-magnetic splitter

成品料号: BRTFZ1030010  
(Finished Product Material code)



伯朗特非磁性分张器,可用于冲压、折弯上料分张或其他片材需要分张等自动化场景。  
BORUNTE non-magnetic splitter can be used in automated scenarios such as stamping, bending, or other sheet materials that require separation.

### 气动浮动电主轴 Pneumatic floating electric spindle

成品料号: BRTQD032401A  
(Finished Product Material code)



伯朗特气动浮动电主轴,为去除不规则轮廓毛刺、水口而设计,利用气体的压力来调节主轴侧向偏摆力度,使主轴径向输出力度。  
BORUNTE pneumatic floating electric spindle is designed to remove irregular contour burrs and nozzles. It uses gas pressure to adjust the lateral swingforce of the spindle, so that the radial output force of the spindle can be adjusted through an electrical proportional valve, and the spindle speed can be adjusted by a frequency converter.

### 拖动手柄焊枪 Drag handle welding gun

成品料号: BRTTQ0050020  
(Finished Product Material code)



拖动手柄焊枪,通过手柄即可完成程序编写。采用500A空冷外置焊枪,适配BRTIRUS2110A,带拖动手柄和六维力传感器、日式接口,带防撞传感器。  
Drag handle welding gun, the programming can be completed through the controller. Adopting a 500A air-cooled external welding gun, compatible with BRTIRUS2110A, with a drag handle and six axis force sensor, Japanese interface, and anti-collision sensor.

### 防撞撞法兰 Anti-collision flange

成品料号: BRTFP0106010  
(Finished Product Material code)



伯朗特防撞撞法兰,安装机器人治具末端可以起到碰撞检测与停止的功能,可实现快速响应停止,缓冲及复位。  
BORUNTE anti-collision flange, installed at the end of the robot fixture, can play a role in collision detection and stopping, achieving rapid response to stopping, buffering, and resetting.

### 二吸二抱模块 Two suctions and two fixtures module

成品料号: BRTXB0202000  
(Finished Product Material code)



伯朗特二吸二抱模块集成双路真空吸附、双路气动抱夹独立控制回路,搭配高精度数显压力表,实时可视化监测气源压力与信号状态,精准把控吸附、抱夹力度。  
BORUNTE dual suctions and dual fixtures module integrates dual vacuum adsorption and dual pneumatic clamping independent control circuits, paired with high-precision digital pressure gauges, to monitor the real-time visualization of gas source pressure and signal status, accurately controlling the suction and clamping force.

### 2D视觉(高配版) 2D visual (high-end version)

成品料号: BRTSJ2081281  
(Finished Product Material code)



高配版2D视觉系统,能够应用于物料定位抓取、产品分类抓取及定位点涂胶等应用场景,显著提升生产效率与精度,降低人工误差。  
The high-end 2D vision system can be applied to scenarios such as material positioning and grabbing, product classification and grabbing, and positioning point gluing, significantly improving production efficiency and accuracy and reducing manual errors.

### 编码器 Encoder

成品料号: BRTECM000000  
(Finished Product Material code)



伯朗特编码器,一款基于CAN通讯协议的在轴编码器,安装方便,分辨率高,抗干扰能力强,支持多节点通讯、波特率、置零、计数方向等功能自定义。  
BORUNTE encoder, an on axis encoder based on CAN communication protocol, is easy to install, has high resolution, strong anti-interference ability, supports multi node communication, baud rate, zero setting, counting direction and other customizable functions.

扫一扫,获取更多产品信息 Scan to obtain more product information.



### TCP精度自校准设备 TCP precision self-calibration device

成品料号: BRTTCP080250  
(Finished Product Material code)



TCP自校准设备是通过自动规划机器人路径,激光束确认机器人采集点坐标,计算出末端工具TCP坐标系。

TCP self calibration device calculates the TCP coordinate system of the end tool by automatically planning the robot path, confirming the robot's collection point coordinates with a laser harness, and calculating the TCP coordinate system.

### 电弧跟踪器 Arc tracker

成品料号: BRTDH5000110  
(Finished Product Material code)



伯朗特电弧跟踪器,能对工件进行焊缝实时跟踪,通过采集焊接过程中产生的电流,并实时反馈给机器人完成路径补偿,从而实现焊接路径的合理规划和控制。

BORUNTE arc tracker can track the welding seam of workpieces in real time, collect the current generated during the welding process, and provide real-time feedback to the robot to complete path compensation, thereby achieving reasonable planning and control of the welding path.

### 六维力拖动设备 Six axis force drag device

成品料号: BRTTD5010850  
(Finished Product Material code)



伯朗特六维力拖动设备,一款包含六维力传感器的拖拽示教设备,设备安装方便,调试简单,拖拽灵敏度高。

BORUNTE six axis force drag device is a drag teaching device that includes six axis force sensors. It is easy to install, easy to debug, and has high drag sensitivity.

### 3D结构光相机 3D structured light camera

成品料号: BRTEYDL210A  
(Finished Product Material code)



伯朗特3D结构光相机,采用自研点云生成技术,抗环境光干扰能力强,在面对黑色或轻微反光物体仍可输出高质量点云模型,典型采集时间 $\leq 1s$ 。

The BORUNTE 3D structured light camera adopts self-developed point cloud generation technology, which has strong resistance to environmental light interference. It can still output high-quality point cloud models when facing black or slightly reflective objects, with a typical acquisition time of  $\leq 1s$ .

### 拖拽示教器 Anti-collision flange

成品料号: BRTTD12AA000  
(Finished Product Material code)



伯朗特拖拽示教器,为快速焊接点位精准对点、微调、焊接指令快速插入而设计。

BORUNTE drag device teaching pendant is designed for precise point-to-point, fine-tuning, and quick insertion of welding instructions for fast welding points.

### 附加轴电控柜 Additional axis electrical control cabinet

成品料号: BRTFJ02H2200  
(Finished Product Material code)



机器人附加轴电控柜,是一款专为伯朗特工业机器人开发的一款附加轴电控柜,支持50W-2.9KW的电机作为附加轴,最多可支持3个轴。

The robot additional axis electrical control cabinet is a specially developed for BORUNTE industrial robots. It supports motors ranging from 50W to 2.9KW as additional axes, and can support up to three axes.

### 无源驱动紧急救援工装 Unpowered drive emergency rescue tool

成品料号: BRTWY0600240  
(Finished Product Material code)



无源驱动紧急救援工装,是一款用于工业机器人意外断电(主动力源缺失)时,无需上电即可安全、省力地移动机械臂各轴的工装。

Unpowered drive emergency rescue tool is used for industrial robots to safely and effortlessly move the various axes of the robotic arm without the need for power on when the main power source is lost.

### 焊缝传感器(跟踪版) Weld seam sensor (tracking version)

成品料号: BRTHF2001010  
(Finished Product Material code)



焊缝传感器(跟踪版)配合机器人实现寻位、跟踪、扫描等功能,专为解决被焊接工件的尺寸偏差和定位偏差。

Weld seam sensors (tracking version) are used in conjunction with robots to achieve positioning, tracking, scanning, and other functions, specifically designed to solve dimensional and positioning deviations of welded workpieces.

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### 3D线激光相机(130标准范围抓取款) 3D line laser camera (130 standard range grab type)

成品料号: BRTXJ1301100  
(Finished Product Material code)



伯朗特3D线激光相机(130标准范围抓取款)拥有小体积,其工作范围在500-1500mm,可识别高度为1m以内的产品。  
The BORUNTE 3D line laser camera (130 standard range grab type) has a small size, with a working range of 500-1500mm, and can recognize products with a height of less than 1m.

### 3D线激光相机(620标准范围抓取款) 3D line laser camera (620 standard range grab type)

成品料号: BRTXJ6201100  
(Finished Product Material code)



伯朗特3D线激光相机(620超范围抓取款)拥有超大工作范围和视野,其工作范围在1400-3600mm之间,最大可识别2.2m高度产品。  
The BORUNTE 3D line laser camera (620 ultra-high range grab type) has a large working range and field of view, with a working range between 1400-3600mm. It can recognize products up to 2.2m.

### 3D结构光相机(高距) 3D structured light camera (high range)

成品料号: BRTEYEDX210A  
(Finished Product Material code)



伯朗特自研3D结构光相机(高距),投影方案全新升级!点云重建效果更好,工作范围更广。  
BORUNTE 3D structured light camera (high range) has been upgraded with a completely new projection solution! Point cloud reconstruction has better results and a wider work range.

### 六维力矩打磨工具设备

Six dimensional force torque polishing tool equipment

成品料号: BRTPH1510ALB  
(Finished Product Material code)



伯朗特六维力矩打磨工具设备,实现恒力跟踪打磨,采用恒力跟踪控制技术,通过六维力传感器实时检测接触力,横向打磨时动态调整工作Z向接触力实现恒力作业,支持拖动示教。  
BORUNTE six dimensional force torque polishing tool equipment realizes constant force tracking grinding. Adopting constant force tracking control technology, it uses a 6-dimensional force sensor to detect contact force in real time, and dynamically adjusts the Z-axis contact force during transverse grinding to achieve constant force operation. It supports drag teaching.

扫一扫,获取更多产品信息 Scan to obtain more product information.

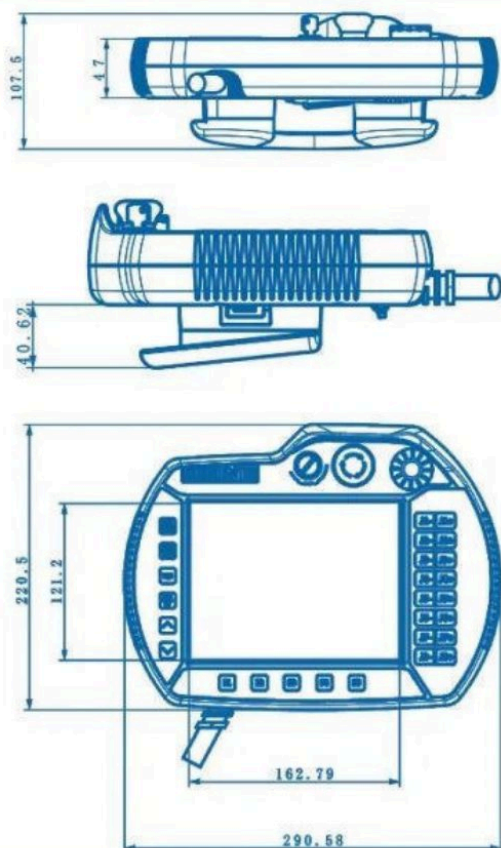


·产品示教器  
Products FlexPendant

- 伯朗特产品采用全新的驱控一体控制系统,信号线少,维护简单,搭配轻巧移动式手持操作器,参数和功能设定一目了然,操作简单快捷。
- BORUNTE products adopt a new drive control integrated control system, with fewer signal lines and simple maintenance. It is equipped with a handy mobile hand-held operating device; the parameters and function settings are clear, and the operation is simple and fast.

## 基本尺寸

## Basic size

BORUNTE 产品示教器参数  
BORUNTE products FlexPendant parameters

|                                      |                                                                                                                                          |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 触摸屏规格<br>Touch screen specifications | 800x600, 单点触摸 (电阻屏)<br>800×600, Single-touch (Resistance screen)                                                                         |
| 处理器<br>Processor                     | 单核A8 ARM处理器 1GHz<br>Single-core A8 / ARM processor / 1GHz                                                                                |
| 内存<br>Internal storage               | 512MB                                                                                                                                    |
| 接口<br>Interface                      | USB                                                                                                                                      |
| 键盘<br>Keyboard                       | 点动(+,-)16点, 方向键2点, 功能键4点, 可绑定功能键4点<br>Jog (+,-) 16 points, direction key 2 points, function key 4 points, bindable function key 4 points |
| 安全开关<br>Safety switch                | 急停开关、钥匙模式选择开关、3段位置使能开关<br>Emergency stop switch, key mode selection switch, 3-segment position enable switch                             |
| 电源<br>Power source                   | DC24V±5%                                                                                                                                 |
| 耗电<br>Power consumption              | 最大250mA@24V<br>Max: 250mA@24V                                                                                                            |
| 环境温度<br>Ambient temperature          | 工作时0°C 到+45°C, 存储时-20°C到+70°C<br>0°~+45 ° in operation; -20 °~ +70 ° in storage                                                          |
| 湿度<br>Humidity                       | 最大85% (无结露)<br>Max: 85% (No condensation)                                                                                                |
| 尺寸<br>Size                           | 最大292mmX222mmX125mm<br>Max: 292mm*222mm*125mm                                                                                            |
| 触摸笔<br>Touch pen                     | 1支<br>One                                                                                                                                |
| 材质<br>Materials                      | ABS 红/黑搭配<br>ABS red/black                                                                                                               |
| 重量<br>Weight                         | 1.75kg                                                                                                                                   |

因改良等原因,规格及外观有所变更时,不再另行通知,敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.





·喷涂防爆电控柜  
Spraying explosion-proof electric control cabinet

·喷涂防爆气阀箱  
Spraying explosion-proof air valve box

·低压协作机器人电控柜  
Low voltage collaborative robot Electrical control

·220V码垛专用电控柜  
220V palletizing dedicated electrical control cabinet

- 伯朗特产品采用全新的驱控一体控制系统，信号线少，维护简单，搭配轻巧移动式手持操作器，参数和功能设定一目了然，操作简单快捷。
- BORUNTE products adopt a new drive control integrated control system, with fewer signal lines and simple maintenance. It is equipped with a handy mobile hand-held operating device; the parameters and function settings are clear, and the operation is simple and fast.

| BORUNTE 220V码垛专用电控柜<br>BORUNTE 220V palletizing dedicated electrical control cabinet |                      |
|--------------------------------------------------------------------------------------|----------------------|
| 尺寸<br>Size                                                                           | 679.5mm*481mm*1276mm |
| 重量<br>Weight                                                                         | 57KG                 |
| 电源要求<br>Power supply                                                                 | 220V 50/60Hz         |

| BORUNTE 低压协作机器人电控柜<br>BORUNTE Low voltage collaborative robot Electric control cabinet |                     |
|----------------------------------------------------------------------------------------|---------------------|
| 尺寸<br>Size                                                                             | 425mm*313.5mm*317mm |
| 重量<br>Weight                                                                           | 20KG                |
| 电源要求<br>Power supply                                                                   | 220V 50/60Hz        |

| BORUNTE 喷涂防爆电控柜 参数<br>BORUNTE spraying explosion-proof electric control cabinet parameters |                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BORUNTE 喷涂防爆气阀箱 参数<br>BORUNTE spraying explosion-proof air valve box parameters            |                                                                                                                                                                                                                                                          |
| 处理器<br>Processor                                                                           | 单核A8 ARM处理器 1GHz<br>Single-core A8 / ARM processor / 1GHz                                                                                                                                                                                                |
| 控制软件<br>Control software                                                                   | 嵌入式Linux + 实时补丁+自主运动控制系统<br>Embedded Linux + actual-time patch + Autonomous motion control system                                                                                                                                                        |
| 内存<br>Internal storage                                                                     | 512MB                                                                                                                                                                                                                                                    |
| 控制总线<br>Control Bus                                                                        | 内部专用总线，可扩展至8轴<br>Internal dedicated bus, expandable to 8 axes                                                                                                                                                                                            |
| 其他总线<br>Other Bus                                                                          | modbus RTU主站, modbus RTU/TCP从站<br>modbus RTU master station, modbus RTU/TCP slave station                                                                                                                                                                |
| 原点指令作用<br>Original directive function                                                      | 无<br>none                                                                                                                                                                                                                                                |
| I/O端口<br>I/O Port                                                                          | 标配32输入32输出，支持扩展华成I/O板<br>Standard configuration 32 input 32 output, Support the expansion of Huacheng I/O port                                                                                                                                           |
| 通讯接口<br>Communication interface                                                            | RS485, CAN, 千兆网络接口(目前可以接入经过华成认证的设备有: 模拟量模块, 编码器模块, 云数据采集模块)<br>RS485, CAN, 100m network interface (At present, the equipment that can be accessed through Huacheng certification includes: Analog module, encoder module, cloud data acquisition module) |
| 数据采集<br>Data Acquisition                                                                   | 可以通过网口接口采集系统状态，并且有限制地控制系统<br>The system status can be collected through the network interface, and the system can be controlled limited                                                                                                                  |
| 二次开发<br>Secondary development                                                              | 无<br>none                                                                                                                                                                                                                                                |
| 控制轴数<br>Number of control axes                                                             | 4轴, 6轴, 8轴<br>4-axis; 6axis; 8axis                                                                                                                                                                                                                       |
| 标准<br>Standard                                                                             | 执行标准 GB3836<br>Executive Standard GB3836                                                                                                                                                                                                                 |
| 防爆标识<br>Explosion proof sign                                                               | IIBT4Gb                                                                                                                                                                                                                                                  |





- 伯朗特产品采用全新的驱控一体控制系统，信号线少，维护简单，搭配轻巧移动式手持操作器，参数和功能设定一目了然，操作简单快捷。
- BORUNTE products adopt a new drive control integrated control system, with fewer signal lines and simple maintenance. It is equipped with a handy mobile hand-held operating device; the parameters and function settings are clear, and the operation is simple and fast.

| BORUNTE 220V电控柜 (型号1)<br>BORUNTE 220V Electric control cabinet ( Model 1) |                   |
|---------------------------------------------------------------------------|-------------------|
| 尺寸<br>Size                                                                | 554mm*331mm*396mm |
| 重量<br>Weight                                                              | 29KG              |
| 电源要求<br>Power supply                                                      | 220V 50/60Hz      |

| BORUNTE 220V电控柜 (型号2)<br>BORUNTE 220V Electric control cabinet (Model 2) |                   |
|--------------------------------------------------------------------------|-------------------|
| 尺寸<br>Size                                                               | 520mm*315mm*395mm |
| 重量<br>Weight                                                             | 29KG              |
| 电源要求<br>Power supply                                                     | 220V 50/60Hz      |

| BORUNTE 380V电控柜 (型号1)<br>BORUNTE 380V Electric control cabinet (Model 1) |                   |
|--------------------------------------------------------------------------|-------------------|
| 尺寸<br>Size                                                               | 872mm*596mm*511mm |
| 重量<br>Weight                                                             | 110KG             |
| 电源要求<br>Power supply                                                     | 380V 50/60Hz      |

| BORUNTE 380V电控柜 (型号2)<br>BORUNTE 380V Electric control cabinet (Model 2) |                   |
|--------------------------------------------------------------------------|-------------------|
| 尺寸<br>Size                                                               | 875mm*609mm*609mm |
| 重量<br>Weight                                                             | 99KG              |
| 电源要求<br>Power supply                                                     | 380V 50/60Hz      |

| BORUNTE 380V电控柜 (型号3)<br>BORUNTE 380V Electric control cabinet (Model 3) |                     |
|--------------------------------------------------------------------------|---------------------|
| 尺寸<br>Size                                                               | 867.5mm*608mm*609mm |
| 重量<br>Weight                                                             | 76.5kg              |
| 电源要求<br>Power supply                                                     | 380V 50/60Hz        |

| BORUNTE 380V重负载机器人电控柜<br>BORUNTE 380V heavy-duty robot Electric control cabinet |                   |
|---------------------------------------------------------------------------------|-------------------|
| 尺寸<br>Size                                                                      | 888mm*632mm*611mm |
| 重量<br>Weight                                                                    | 82kg              |
| 电源要求<br>Power supply                                                            | 380V 50/60Hz      |

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# 机型-电控柜对应表

## Model-Electrical Control Cabinet Correspondence

- 伯朗特机械手产品电箱为一体化设计,无外接电控柜。
- The electrical box of the BORUNTE manipulator is designed as an integrated unit without an external electrical control cabinet.

| 机型<br>Model  | 电控柜型号<br>Electric control cabinet model                              | 重载线有效长度<br>Effective length of heavy-duty line | 配套示教器<br>Equipped with FlexPendant |
|--------------|----------------------------------------------------------------------|------------------------------------------------|------------------------------------|
| BRTIRSC0603A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)           | 5m                                             | ✓                                  |
| BRTIRSC0810A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)           | 5m                                             | ✓                                  |
| BRTIRPL1003A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)           | 5m                                             | ✓                                  |
| BRTIRPL1203A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)           | 5m                                             | ✓                                  |
| BRTIRPL1215A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)           | 5m                                             | ✓                                  |
| BRTIRPL1608A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)           | 5m                                             | ✓                                  |
| BRTIRPZ1865A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)           | 5m                                             | ✓                                  |
| BRTIRPZ2080A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)           | 5m                                             | ✓                                  |
| BRTIRPZ2465A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)           | 5m                                             | ✓                                  |
| BRTIRPZ1865X | 220V码垛专用电控柜<br>220V palletizing dedicated electrical control cabinet | 5.3m                                           | ✓                                  |
| BRTIRPZ2080X | 220V码垛专用电控柜<br>220V palletizing dedicated electrical control cabinet | 5.88m                                          | ✓                                  |
| BRTIRPZ2465X | 220V码垛专用电控柜<br>220V palletizing dedicated electrical control cabinet | 5.3m                                           | ✗                                  |
| BRTIRPZ1508A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)           | 5m                                             | ✓                                  |
| BRTIRPZ1825A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)           | 5m                                             | ✓                                  |
| BRTIRPZ2035A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)           | 5m                                             | ✓                                  |
| BRTIRPZ2480A | 380V电控柜 (型号1)<br>380V Electrical control cabinet (Model 1)           | 7m                                             | ✓                                  |
| BRTIRPZ3116B | 380V电控柜 (型号2)<br>380V Electrical control cabinet (Model 2)           | 7m                                             | ✓                                  |
| BRTIRUS0401A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)           | 5m                                             | ✓                                  |
| BRTIRUS0707A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)           | 5m                                             | ✓                                  |
| BRTIRUS0805A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)           | 5m                                             | ✓                                  |
| BRTIRUS1510A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)           | 5m                                             | ✓                                  |

| 机型<br>Model  | 电控柜型号<br>Electric control cabinet model                                                                                                                                     | 重载线有效长度<br>Effective length of heavy-duty line                                                                  | 配套示教器<br>Equipped with FlexPendant |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------|
| BRTIRUS1820A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)                                                                                                                  | 5m                                                                                                              | ✓                                  |
| BRTIRUS2030A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)                                                                                                                  | 5m                                                                                                              | ✓                                  |
| BRTIRUS2110A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)                                                                                                                  | 5m                                                                                                              | ✓                                  |
| BRTIRUS2520B | 380V电控柜 (型号1)<br>380V Electrical control cabinet (Model 1)                                                                                                                  | 7m                                                                                                              | ✓                                  |
| BRTIRUS2550A | 380V电控柜 (型号1)<br>380V Electrical control cabinet (Model 1)                                                                                                                  | 7m                                                                                                              | ✓                                  |
| BRTIRUS2650A | 380V电控柜 (型号3)<br>380V Electrical control cabinet (Model 3)                                                                                                                  | 7.5m                                                                                                            | ✓                                  |
| BRTIRUS2830B | 380V电控柜 (型号2)<br>380V Electrical control cabinet (Model 2)                                                                                                                  | 7m                                                                                                              | ✓                                  |
| BRTIRUS2917B | 380V电控柜 (型号1)<br>380V Electrical control cabinet (Model 1)                                                                                                                  | 7m                                                                                                              | ✓                                  |
| BRTIRUS2924B | 380V电控柜 (型号2)<br>380V Electrical control cabinet (Model 2)                                                                                                                  | 7m                                                                                                              | ✓                                  |
| BRTIRUS3030A | 380V电控柜 (型号3)<br>380V Electrical control cabinet (Model 3)                                                                                                                  | 7.5m                                                                                                            | ✓                                  |
| BRTIRUS3050B | 380V重载机器人电控柜<br>380V heavy-duty robot Electric control cabinet                                                                                                              | 7m                                                                                                              | ✓                                  |
| BRTIRUS3511A | 380V电控柜 (型号1)<br>380V Electrical control cabinet (Model 1)                                                                                                                  | 7m                                                                                                              | ✓                                  |
| BRTIRUS3012C | 380V重载机器人电控柜<br>380V heavy-duty robot Electric control cabinet                                                                                                              | 待定                                                                                                              | ✓                                  |
| BRTIRWD1506A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)                                                                                                                  | 5m                                                                                                              | ✓                                  |
| BRTIRWD2206A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)                                                                                                                  | 5m                                                                                                              | ✓                                  |
| BRTIRSE2013A | 220V电控柜 (型号1)<br>220V Electrical control cabinet (Model 1)                                                                                                                  | 5m                                                                                                              | ✓                                  |
| BRTIRSE2013F | 220V电控柜 (型号1) + 喷涂防爆电控柜 + 喷涂防爆气阀箱<br>220V Electrical control cabinet (Model 1) + spraying explosion-proof electric control cabinet + spraying explosion-proof air valve box | 5m                                                                                                              | ✓                                  |
| BRTIRXZ1005A | 低压协作机器人电控柜<br>Low voltage collaborative robot Electrical control cabinet                                                                                                    | 7.8m(电箱无重载线, 重载线在主体端)<br>(No heavy load line in the electrical box, and the heavy load line is at the body end) | ✓                                  |
| BRTIRXZ1515A | 240V电控柜 (型号2)<br>240V Electrical control cabinet (Model 2)                                                                                                                  | 5m                                                                                                              | ✓                                  |

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- 为适配不同产品,同一款电箱也会录入不同系统,请用户自行查询了解。
- To adapt to different products, the same electrical box will also be entered into different systems.

RC-HC1-TI1参数  
RC-HC1-TI1 parameters

|                                   |                                                                                                                                                                                                                                        |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 处理器<br>Processor                  | 单核A8 ARM处理器 1GHz<br>Single core A8 ARM processor                                                                                                                                                                                       |
| 控制软件<br>Control software          | 嵌入式Linux + 实时补丁+自主运动控制系统<br>Embedded Linux+real-time patches+autonomous motion control system                                                                                                                                          |
| 内存<br>Inner memory                | 512MB                                                                                                                                                                                                                                  |
| 控制总线<br>Control bus               | 内部专用总线,可扩展至8轴<br>Internal dedicated bus, expandable to 8 axes                                                                                                                                                                          |
| 其他总线<br>Other bus                 | modbus RTU主站, modbus RTU/TCP从站<br>Modbus RTU master station, Modbus RTU/TCP slave station                                                                                                                                              |
| 原点指令作用<br>Origin command function | 无<br>None                                                                                                                                                                                                                              |
| I/O端口<br>I/O ports                | 标配32输入32输出,支持扩展华成I/O板<br>Standard 32 input and 32 output, supporting the expansion of Huacheng I/O board                                                                                                                               |
| 通讯接口<br>Communicate interface     | RS485, CAN, 千兆网络接口(目前可以接入经过华成认证的设备有: 模拟量模块, 编码器模块, 云数据采集模块)<br>RS485, CAN, 100Mbps network interface (currently compatible with Huacheng certified devices including analog module, encoder module, and cloud data acquisition module) |
| 数据采集<br>Data collection           | 可以通过网口接口采集系统状态,并且有限制地控制系统<br>The system status can be collected through the network interface and controlled with restrictions                                                                                                         |
| 二次开发<br>Secondary development     | 无<br>None                                                                                                                                                                                                                              |
| 控制轴数<br>Controlled axes           | 4轴, 6轴, 8轴<br>4 axis, 6 axis, 8 axis                                                                                                                                                                                                   |

RC-HC1-G2L参数  
RC-HC1-G2L parameters

|                                   |                                                                                                                                                                                                                                        |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 处理器<br>Processor                  | 双核A55 1.2G+M33 200M<br>Dual core A55 1.2G +M33 200M                                                                                                                                                                                    |
| 控制软件<br>Control software          | 嵌入式Linux + 实时补丁+自主运动控制系统<br>Embedded Linux+real-time patches+autonomous motion control system                                                                                                                                          |
| 内存<br>Inner memory                | 512MB                                                                                                                                                                                                                                  |
| 控制总线<br>Control bus               | 内部专用总线,可扩展至8轴<br>Internal dedicated bus, expandable to 8 axes                                                                                                                                                                          |
| 其他总线<br>Other bus                 | modbus RTU主站, modbus RTU/TCP从站<br>Modbus RTU master station, Modbus RTU/TCP slave station                                                                                                                                              |
| 原点指令作用<br>Origin command function | 无<br>None                                                                                                                                                                                                                              |
| I/O端口<br>I/O ports                | 标配32输入32输出,支持扩展华成I/O板<br>Standard 32 input and 32 output, supporting the expansion of Huacheng I/O board                                                                                                                               |
| 通讯接口<br>Communicate interface     | RS485, CAN, 千兆网络接口(目前可以接入经过华成认证的设备有: 模拟量模块, 编码器模块, 云数据采集模块)<br>RS485, CAN, 100Mbps network interface (currently compatible with Huacheng certified devices including analog module, encoder module, and cloud data acquisition module) |
| 数据采集<br>Data collection           | 可以通过网口接口采集系统状态,并且有限制地控制系统<br>The system status can be collected through the network interface and controlled with restrictions                                                                                                         |
| 二次开发<br>Secondary development     | 无<br>None                                                                                                                                                                                                                              |
| 控制轴数<br>Controlled axes           | 4轴, 6轴, 8轴<br>4 axis, 6 axis, 8 axis                                                                                                                                                                                                   |

RC-NBT-C01参数  
RC-NBT-C01 Parameters

|                                  |                                                                                                                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 处理器<br>Processor                 | 全志 T507, 4核主频1.5GHz<br>Quanzhi T507, 4-core main frequency 1.5GHz                                                                                                            |
| 板载存储<br>Control software         | EMMC Flash 8GB                                                                                                                                                               |
| 操作系统<br>Storage                  | RT-Linux                                                                                                                                                                     |
| 内存<br>Inner memory               | 2GB                                                                                                                                                                          |
| USB                              | 2 x USB2.0                                                                                                                                                                   |
| 网络<br>Origin command function    | 1 x RTL8211F 千兆网口<br>1 x RTL8211F 1000Mbps Ethernet port<br>1 x RTL8152B 千兆网口<br>1 x RTL8152B 100Mbps Ethernet port<br>1 x IP101GR 千兆网口<br>1 x IP101GR 100Mbps Ethernet port |
| CAN                              | 1 x CAN 2.0                                                                                                                                                                  |
| 串口<br>Communicate interface      | 1 x RS485, 1 x RS232                                                                                                                                                         |
| 脉冲接口<br>Data collection          | 1路5V编码器ABZ查分接口<br>1 channel 5V encoder ABZ lookup interface                                                                                                                  |
| 数字量输入输出<br>Secondary development | 10输入10输出<br>10 input 10 output                                                                                                                                               |
| 模拟量输入输出<br>Controlled axes       | 4路输入4路输出, 0-10V<br>4 lines input / 4 lines output, 0-10V                                                                                                                     |

RC-MF1-80A参数  
RC-MF1-80A Parameters

|                                 |                                                                                    |
|---------------------------------|------------------------------------------------------------------------------------|
| 处理器<br>Processor                | STM32153(主频650M, 双核)<br>STM32153 (Main frequency 650M, dual core)                  |
| 控制软件<br>Control software        | 自研<br>Self R&D                                                                     |
| 内存<br>Inner memory              | 1G                                                                                 |
| USB                             | 1个<br>1 piece                                                                      |
| 网口<br>Network interface         | 1个EtherCAT网口, 1个RJ45千兆网口<br>1 EtherCAT Ethernet port, 1 RJ45 100Mbps Ethernet port |
| CAN/485                         | CAN和485通讯<br>CAN and 485 communication                                             |
| PORT1                           | 以太网口, 连接示教器<br>Ethernet port, connect to teaching pendant                          |
| PORT2                           | EtherCAT网口, 连接驱动和远程IO<br>EtherCAT network port, connecting drivers and remote IO   |
| 数字量输入输出<br>Digital input/output | 16输入16输出<br>16 Input 16 Output                                                     |
| 模拟量输入输出<br>Analog input/output  | 支持拓展<br>Support expansion                                                          |
| 控制轴数<br>Controlled axes         | 9轴<br>9 axis                                                                       |

因改良等原因,规格及外观有所变更时,不再另行通知,敬请谅解。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.



- 为适配不同产品,同一款电箱也会录入不同系统,请用户自行查询了解。
- To adapt to different products, the same electrical box will also be entered into different systems.

| RC-NBT-1200参数<br>RC-NBT-1200 Parameters |                                                                                                                                                                                                             |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 处理器<br>Processor                        | Intel Elkhart Lake J6412 Platform                                                                                                                                                                           |
| 内存<br>Inner memory                      | 4G                                                                                                                                                                                                          |
| 存储<br>Storage                           | On board 8G eMMC (MLC V5.1)                                                                                                                                                                                 |
| 操作系统<br>Operating system                | Linux: ubuntu 20.04                                                                                                                                                                                         |
| 看门狗定时器<br>Watch dog timer               | Programmable 255 levels timer interval, form 1~255 sec/min                                                                                                                                                  |
| 网口<br>Network interface                 | 1* i210-AT GbE (10/100/1000 Mbps)<br>3 x RTL8111H GbE (10/100/1000 Mbps)                                                                                                                                    |
| 显示<br>Display video                     | 1*HDMI: Max resolution up to 4k@24Hz                                                                                                                                                                        |
| USB 接口<br>USB                           | 2*usb 3.2 Gen1                                                                                                                                                                                              |
| COM                                     | 2*RS232/422/485 Header 带 3KV 隔离<br>2*RS232/422/485 Header Equipped with 3KV isolation<br>Default COM1 Mode: RS232; COM2 Mode:RS485                                                                          |
| GPIO                                    | 1*16bit Programmable GPIO 带隔离<br>1*16bit Programmable GPIO With isolation<br>GPIO 需要电压隔离 默认状态: 8in +8out<br>GPIO Voltage isolation is required Default state: 8in +8out<br>GPO: Default Low GPI:Default Low |
| OS recovery                             | 1 × 系统还原 OS Recover 按键<br>1 × System restore OS Recover key                                                                                                                                                 |
| M.2                                     | M.2 2280 SATA 接口 (预留接口)<br>M.2 2280 SATA Interface (reserved interface)                                                                                                                                     |
| 蜂鸣器<br>Buzzer                           | 1*Beep                                                                                                                                                                                                      |
| 电源输入<br>Power input                     | 12-24V ± 20% DC, 2-pin 凤凰端子, 电源防反接<br>12-24V ± 20% DC, 2-pin Phoenix Terminal, power anti reverse connection                                                                                                |

| RC-NBT-1201参数<br>RC-NBT-1201 Parameters |                                                                                                                                  |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 处理器<br>Processor                        | Intel® Celeron J6412, 2.0~2.6GHz, 4 核/4 线程, 1.5MB L2 缓存<br>Intel® Celeron J6412, 2.0~2.6GHz, 4 cores/4 threads, 1.5MB L2 cache   |
| 控制软件<br>Control software                | Linux +Microsoft Windows                                                                                                         |
| 内存<br>Inner memory                      | 1 x SO-DIMM DDR4-2400MHz (最大支持 32GB)<br>1 x SO-DIMM DDR4-2400MHz (Maximum support 32GB)                                          |
| USB                                     | 2 x USB3.0                                                                                                                       |
| 以太网<br>Ethernet                         | 1 x Intel i210/211 千兆网口<br>1 x Intel i210/211 1000Mbps Ethernet port<br>3 x RTL8111H 千兆网口<br>3 x RTL8111H 1000Mbps Ethernet port |
| CAN                                     | 2 x CAN Bus 2.0A/B                                                                                                               |
| 编码器输入<br>Encoder input                  | 2 x A/B 相差分输入<br>2 x A/B differential input                                                                                      |
| PWM输出<br>PWM output                     | 2 x PWM, 单端, 0~100%可调, 电压 5/24V 可调, <2MHz<br>2 x PWM, single ended, 0~100% adjustable, voltage 5/24V adjustable, <2MHz           |
| HDMI                                    | 最高分辨率 4096 x 2160@60Hz<br>The highest resolution is 4096 x 2160@60Hz                                                             |
| 扩展接口<br>Extended interface              | 1 x 全尺寸 miniPCIe 卡槽, 带有 SIM 卡槽<br>1 x full-size miniPCIe card slot with SIM card slot                                            |
| 看门狗<br>watch dog timer                  | 1~255 级可编程设置<br>1~255 level programmable settings                                                                                |
| 数字量输入输出<br>Digital input/output         | 32输入32输出<br>32 input and 32 output                                                                                               |
| 模拟量输入输出<br>Analog input/output          | 2路输入2路输出, 0-10V<br>2 input and 2 output, 0-10V                                                                                   |
| 控制轴数<br>Control axes                    | 9轴<br>9 axis                                                                                                                     |