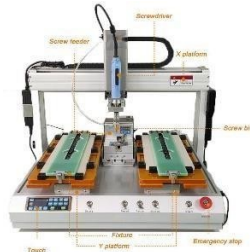


PRODUCT LIST



Handheld
Screwdriver Machine



Automatic screwing
machine



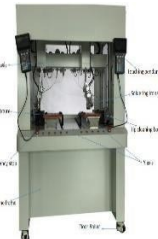
Floor type screwing
machine



Wire thread insert
assemble machine



Automatic
soldering machine

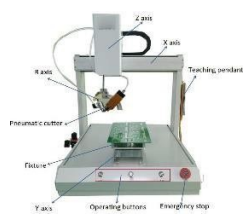


Floor type soldering
machine

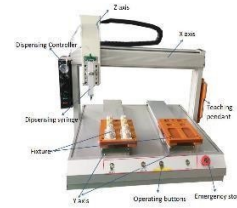
PCB separator
machine



PCB lead pin
cutting machine



Automatic glue
dispenser machine



Dry ice
blasting
machine



Fume extractor



Automatic
riveting machine



HANDHELD SCREWDRIVER MACHINE

Model: 100LS



Main components

Handheld screwdriver machine is made of three main system, which are controlled by the machine's program.

- A. Screw feeding system.
- B. Screw sorting system.
- C. Screw locking system.

Main features

1. One hand operation. Automatic screw sorting, screw feeding, screw feeding & tightening.
2. Cancel the manual take-up screw to avoid screw contamination.
3. Improve screw fixing quality: precise torque and easy adjustment.
4. With screws missing alarm system.
5. Turbine feeding: screw feeding one by one to avoid feeding repetition by sensors.
6. High efficiency: it can fix around 60 screws per minute, as it just need point the screw on the screw hole and then tighten.

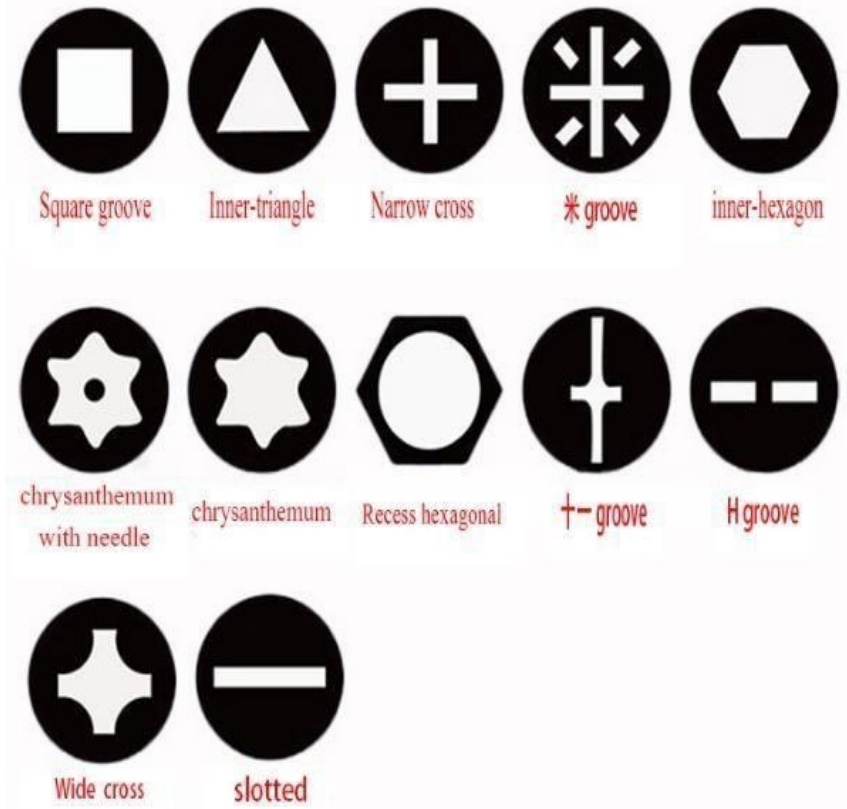
Applications of handheld screwdriver machine

Model: 100LS



Applicable screw

more screw models can contact customer service

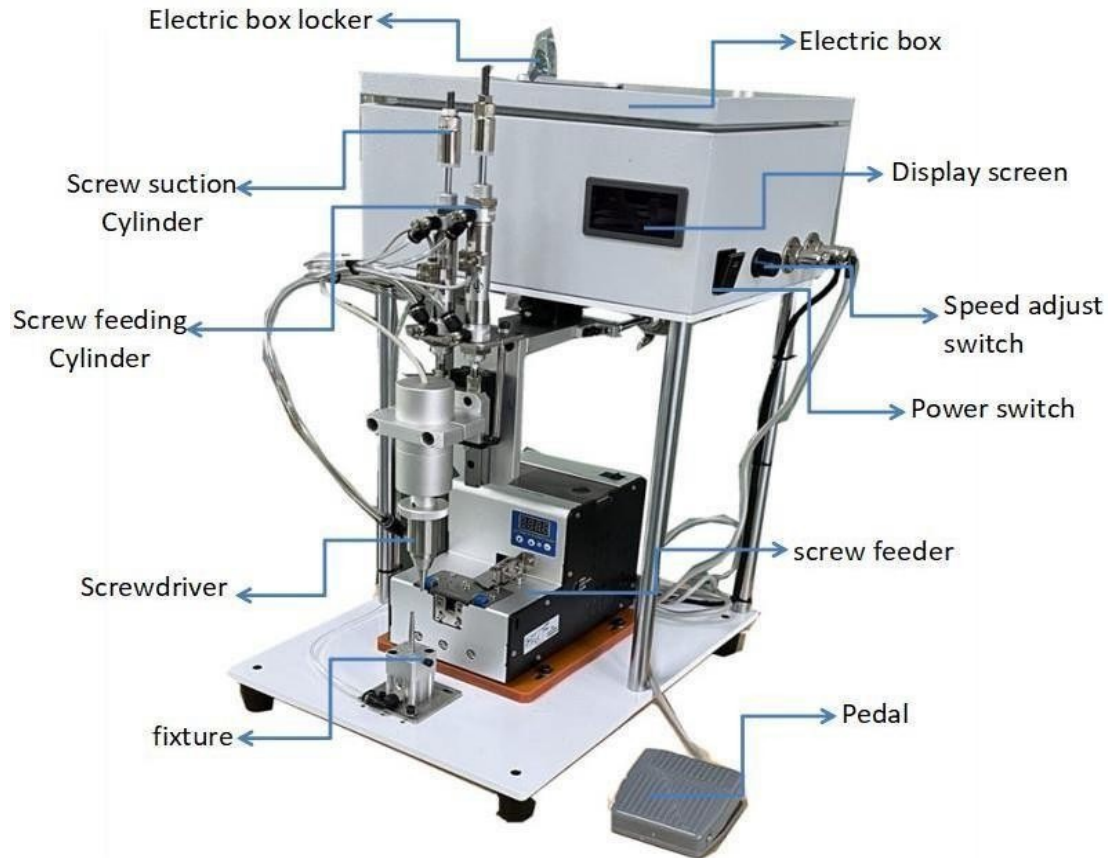


Specification for Handheld Screwdriver Machine

Model	·100LS
Voltage	AC 110/220V 50/60HZ
Feeder Capacity	2000pcs (depends on screw size)
Air Pressure	0.5-0.7 Mpa
Conveying Distance	1-3m
Feeder mode	Vibratory feeder
Screw delivery method	Blowing type
Working efficiency	50-70 pcs/minute
Applicable screws	M2-M6
Work environment	Temerature 5-40 C Humidity 20-90%
Weight	17KG
External Machine Size (L*W*H)	35*40*22CM

Semi-Auto Screw Driver Machine

Model: 200LS



Main features

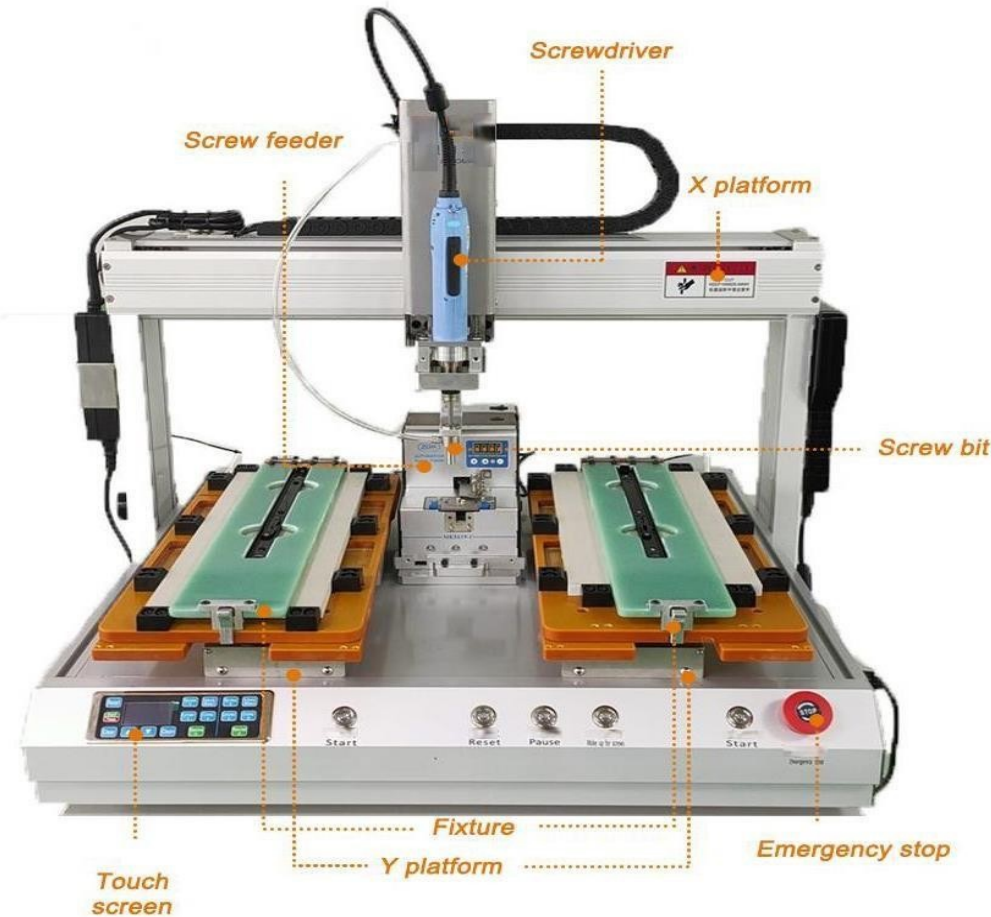
1. Automatic screw sorting, screw feeding, screw tightening.
2. Cancel the manual take-up screw to avoid screw contamination.
3. Improve screw fixing quality: precise torque and easy adjustment.
4. Customized fixture to hold the product for screwing.
5. High efficiency: it can fix around 60 screws per minute, as it just need point the screw on the screw hole and then tighten.
6. Applicable for M1~M6 screws.

Specifications for Semi-Auto Screwdriver Machine

Model	200LS
Voltage	AC 110/220V 50/60HZ
Motor System	Precision Stepping motor
Position Accuracy	±0.2mm
Working Efficiency	1.0s/screw
Display mode	Display screen
Applicable Screw	M1-M6
Manual Control	Pedal Switch
Air Supply	0.5-0.7Mpa
Feeder mode	Vacuum screw feeder
External machine size(L'W'H)	32*40*53CM
Weight	40KG

AUTOMATIC SCREW LOCKING MACHINE

Model: 5441LS with double platform

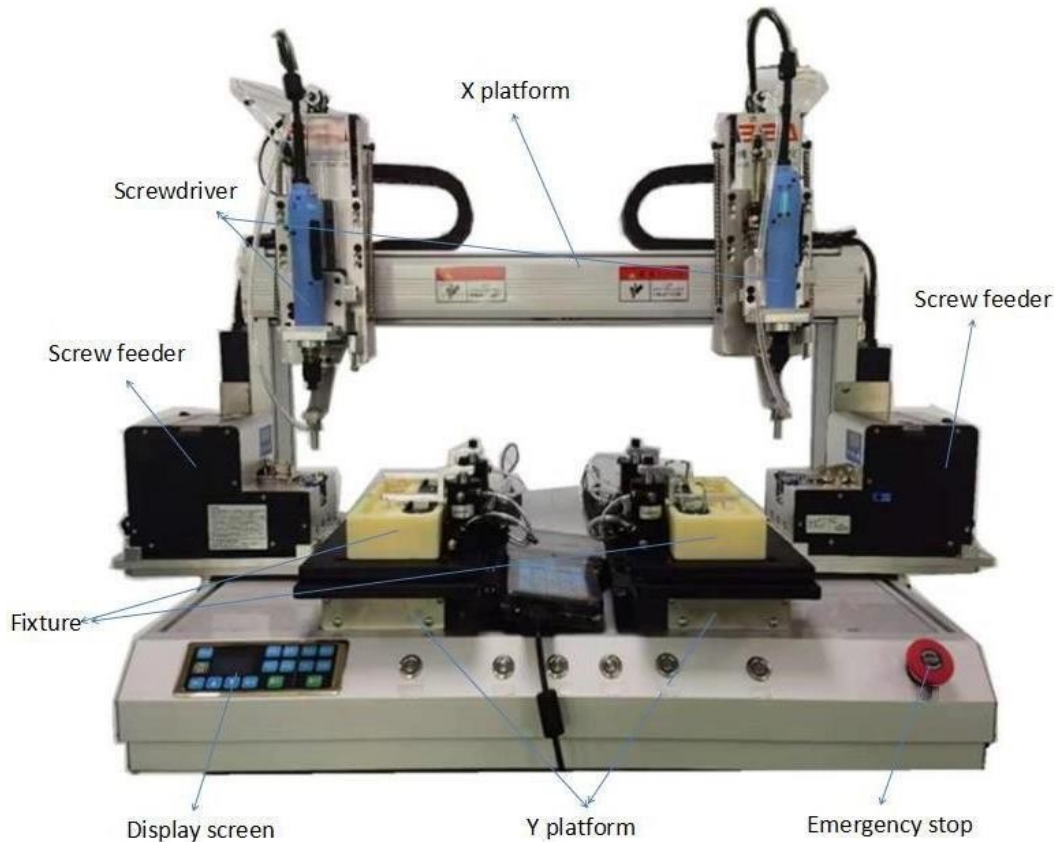


Main features:

1. Double Y-axis vacuum suction type, automatic screw locking machine uses four-axis controller, which is easy to operate and stable.
2. Y1 and Y2 platforms work in turn, and no shutdown is needed when clamping products, which greatly improves production efficiency.
3. Configuration of multi-channel sensors can detect undesirable phenomena such as floating lock, sliding teeth or leakage lock.
4. Applicable to a wide range of screw, M1-M8 standard screw can be locked, the length-diameter ratio of small screw also avoids flipping.
5. The running speed is stable and fast. The maximum locking speed is 1.0 seconds per screw.
6. Applicable to a wide range of products, just adjust the multi-functional fixture can achieve different products of locking screw work.
7. The screw arranger is equipped with a rotating disc distributor, which will never jam the screw and greatly reduce the failure rate.
8. Machines of different specifications can be customized according to customer's products.

AUTOMATIC SCREW LOCKING MACHINE

Model: 331LS with single platform



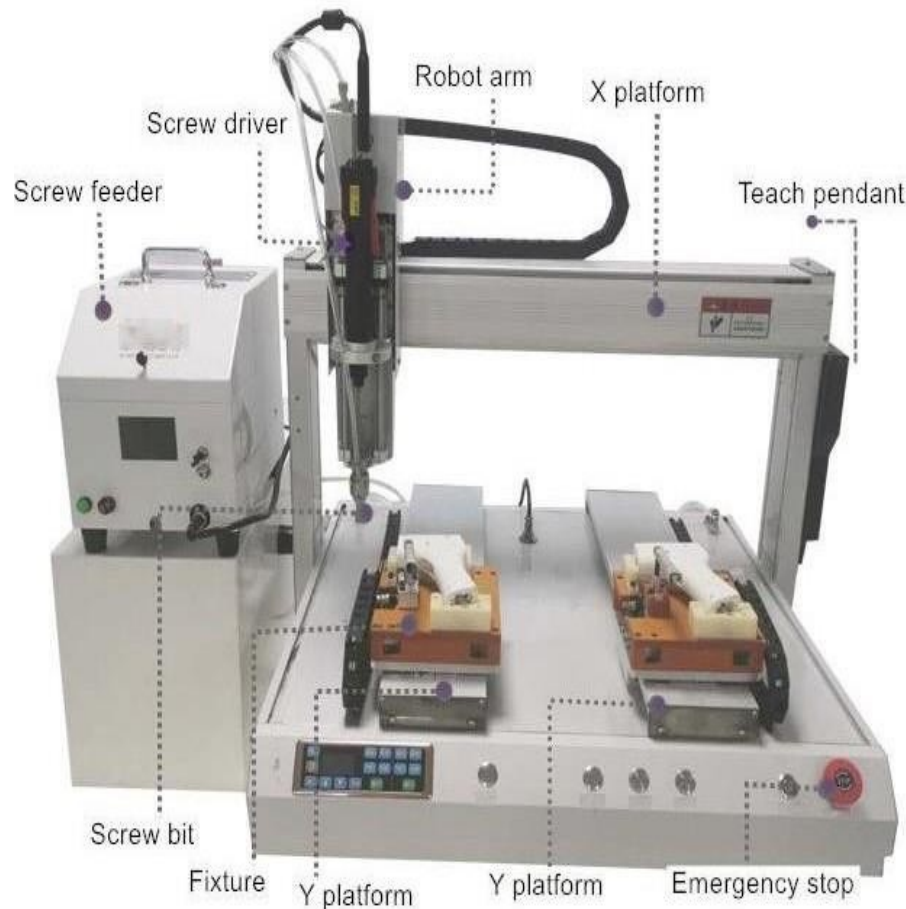
Main features

Only difference between with BNHT-5441LS: BNHT-331LS: only one Y platform
BNHT-5441LS: Y1 and Y2 platforms, can work in turn

- Smart detection functions for detecting missing screw / standing out screw / loose screw / screw slippage.
- Good flexibility by use of universal fixture for different size product.
- Easy adaptability for M1-M8, just by changing screw guider (Customization available).
- Easy to learn the operation. One operator can operate several machines at the same time.
- High production efficiency, save labor cost.

AUTOMATIC SCREW LOCKING MACHINE

Model: 5441LS with blowing type feeder



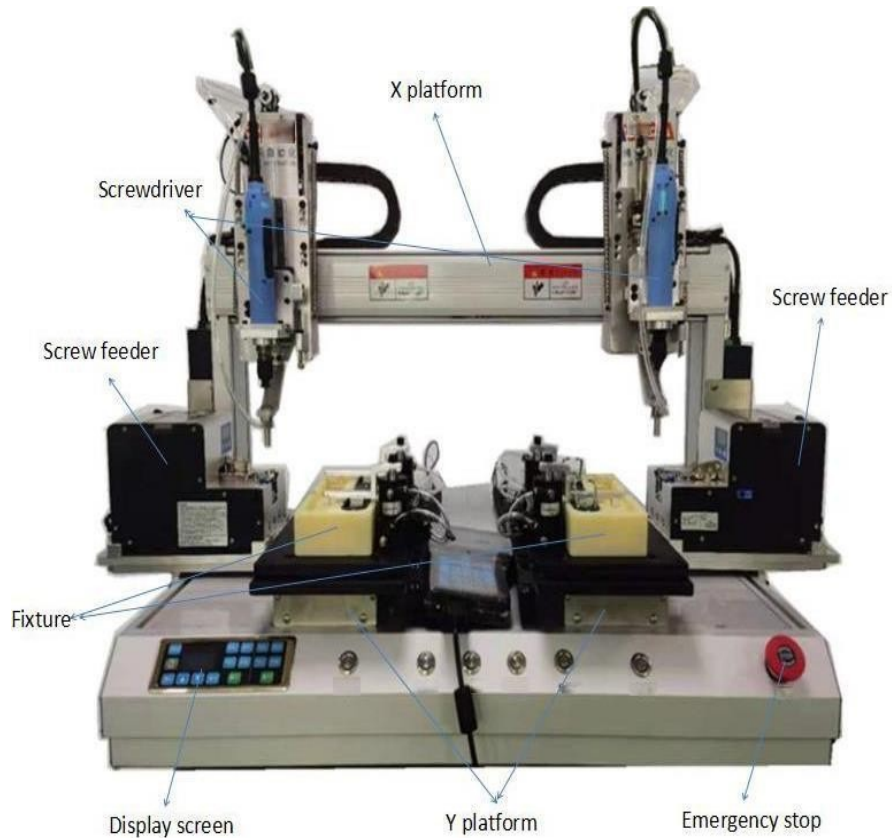
Main features

1. Double Y-axis blowing type automatic screw locking machine uses four-axis controller, which is easy to operate and stable.
2. Y1 and Y2 platforms work in turn, and no shutdown is needed when clamping products, which greatly improves production efficiency.
3. Configuration of multi-channel sensors can detect undesirable phenomena such as floating lock, sliding teeth or leakage lock.
4. Applicable to a wide range of screw, M1-M8 standard screw can be locked, the length-diameter ratio of small screw also avoids flipping.
5. The running speed is stable and fast. The maximum locking speed is 1.0 seconds per screw.
6. Applicable to a wide range of products, just adjust the multi-functional fixture can achieve different products of locking screw work.
7. Equipped with blowing type screw feeder, pneumatically blow out screws in high speed, never jam the screws.
8. Machines of different specifications can be customized according to customer's products.

AUTOMATIC SCREW LOCKING MACHINE

Model: 6441LS

with double screwdrivers left to right



Main features

- 1) Double X, double Y and double Z-axis structure, two platforms work in turn, two screwdrivers are locked at the same time, the efficiency is doubled.
- 2) Especially suitable for products with two screws, two specifications, two kinds of torsion of the screw to complete the lock at one time.
- 3) Versatility, replace the screw delivery module, suction nozzle, screw bit, it can be adapted to M1.0~ M8.0 screw.
- 4) High efficiency. Fasten a screw need less than 1.5 s, which is double the manual efficiency.
- 5) Safety. Auto-sensing start function.
- 6) Big Program Record Groups Quantity: 100 (Groups). One product only needs one programming, the next production, direct call.

AUTOMATIC SCREW LOCKING MACHINE

Model: 6441LS with double machine combined

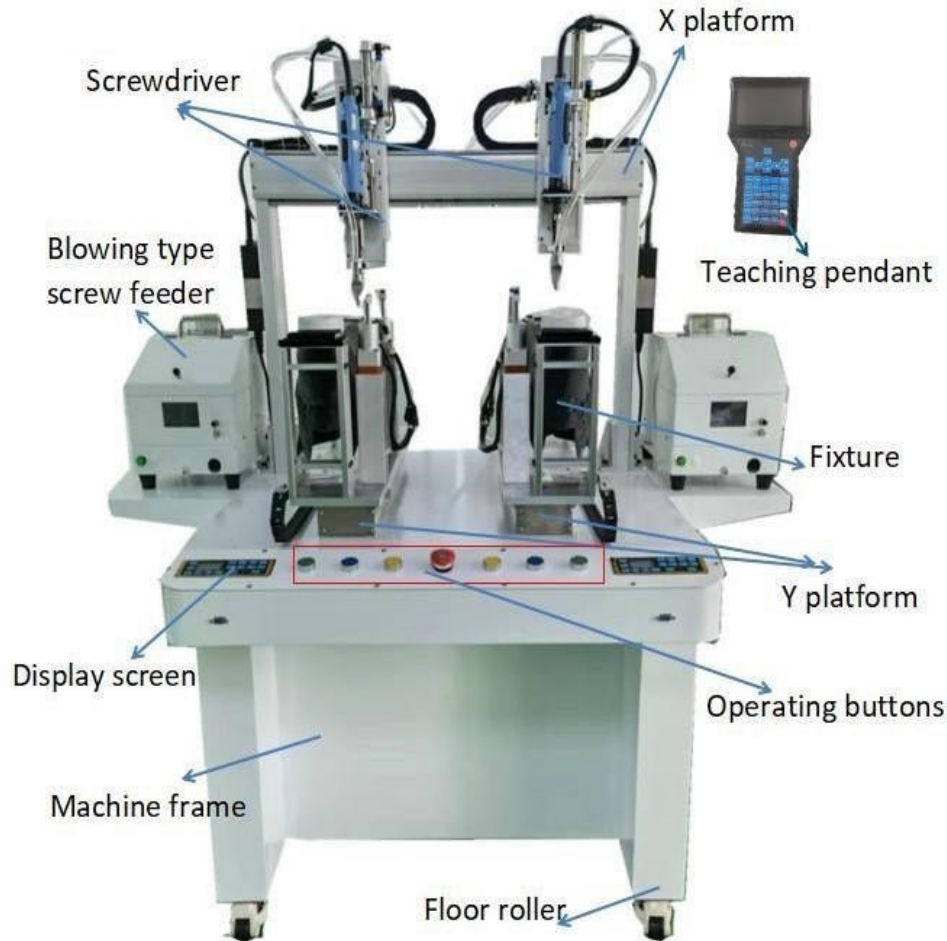


Main features

- 1) Can tighten two different types of screws at the same time. Put one product in front of you → Automatic tightening screw1 → Move to the rear → Tightening screw2 → Pick out from the rear by another worker.
- 2) Flexible.
Do not need to be equipped with an external computer, can do single operation, easy installation.
- 3) Versatility, replace the screw delivery module, suction nozzle, screw bit, it can be adapted to M1.0~ M8.0 screw.
- 4) High efficiency. Fasten a screw need less than 1.5 s, which is double the manual efficiency.
- 5) Safety. Auto-sensing start function.
- 6) Big Program Record Groups Quantity: 100 (Groups). One product only needs one programming, the next production, direct call.
- 7) Low cost, High return. The efficiency of a machine fastening screw is two times than that of manual. The machine adopts double-head double-station, which can replace 2 people. The purchase of one machine can save 2-3 people.
- 8) Simple operation. Desktop or on floor automatic fastening machine. Fully automated operation except pick and place products.

AUTOMATIC SCREW LOCKING MACHINE

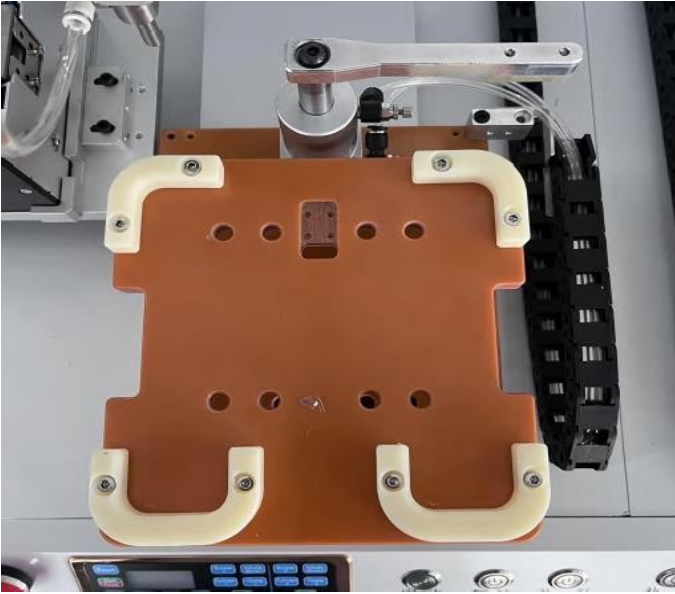
Model: 6441LS with blowing type feeder



Main features

1. Custom-design the floor type machine with steel frame according to customer product requirements and convenient to move the machine around.
2. Double screw feeding system with blowing type screw feeder, which is faster and stable.
3. Y1 and Y2 platforms work in turn, and no shutdown is needed when clamping products, which greatly improves production efficiency.
4. Configuration of multi-channel sensors can detect undesirable phenomena such as floating lock, sliding teeth or leakage lock.
5. Applicable to a wide range of screw, M1-M8 standard screw can be locked, the length-diameter ratio of small screw also avoids flipping.
6. The running speed is stable and fast. The maximum locking speed is 1.0 seconds per screw.
7. Applicable to a wide range of products, just adjust the multi-functional fixture can achieve different products of locking screw work.
8. Equipped with blowing type screw feeder, pneumatically blow out screws in high speed, never jam the screws.
9. Machines of different specifications can be customized according to customer's products.

Detail parts



Customized Fixture toolings

Screw feeder



Electric Brushless Screw driver



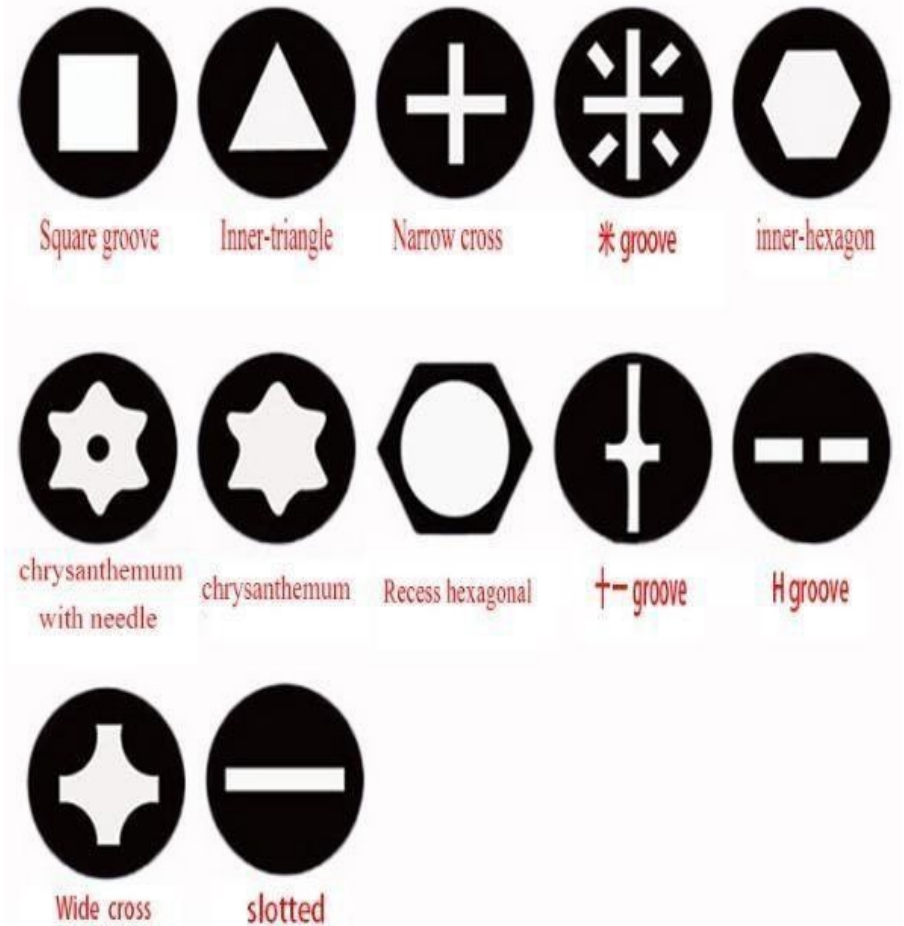
Applications of Screw Locking Machine

Automatic screw machine is mainly used in all kinds of screw work
Automatic tightening of screws, continuous feeding, automatic operation



Applicable screw

more screw models can contact customer service

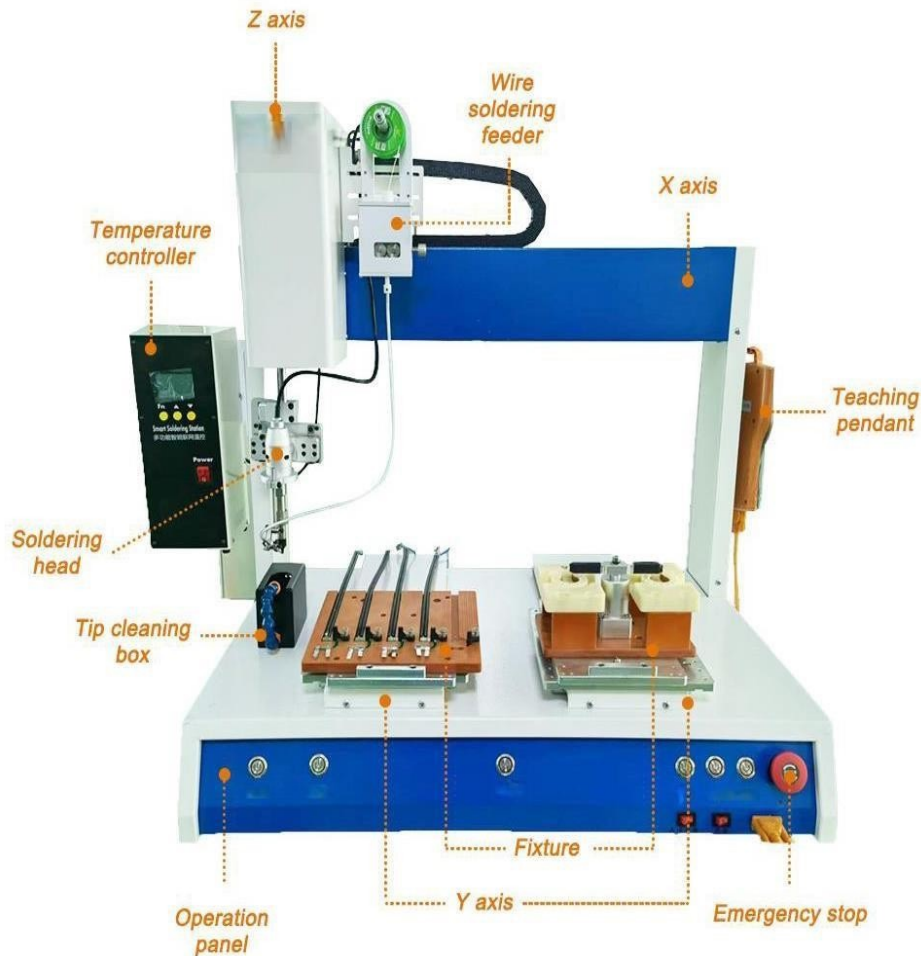


Specifications for Automatic Screw Locking Machine

Model	·331LS (Single Y platform)		·5441LS (Double Y platform)		·6441LS (Dual screw feeding system)		CUSTOMIZED
Power supply	AC 110/220V 50/60HZ						
Stroke	X	300mm	X	500mm	X	600mm	To order
	Y	300mm	Y1/Y2	400mm	Y1/Y2	400mm	
	Z	100mm	Z	100mm	Z	100mm	
Maximum Load Weight	8KG (for work platform)						To order
Screwdriver torque	0.2~2.0N.m						More than 3.0N.m
Moving speed	10-800mm/s						
Air pressure	0.5-0.7MPa						
Position accuracy	±0.02mm/axis						
Program capacity	999 groups/1000 points per group						
Motor system	Micro Precision Stepping Motor						
Transmission mode	Precision toothed belt+guide rail						
Universal screws	M1-M8						
Control panel	Teaching pendant with display screen						
Work efficiency	1.2~1.5s/pcs						
Work environment	Temperature: 5-40℃Humidity: 20-90%						
Weight	100kg		120kg		150kg		To order
External Machine Size (L*W*H)	700*630*700mm		820*730*700mm		920*730*700mm		To order

AUTOMATIC SOLDERING MACHINE

Model: 5331HX
with double platform

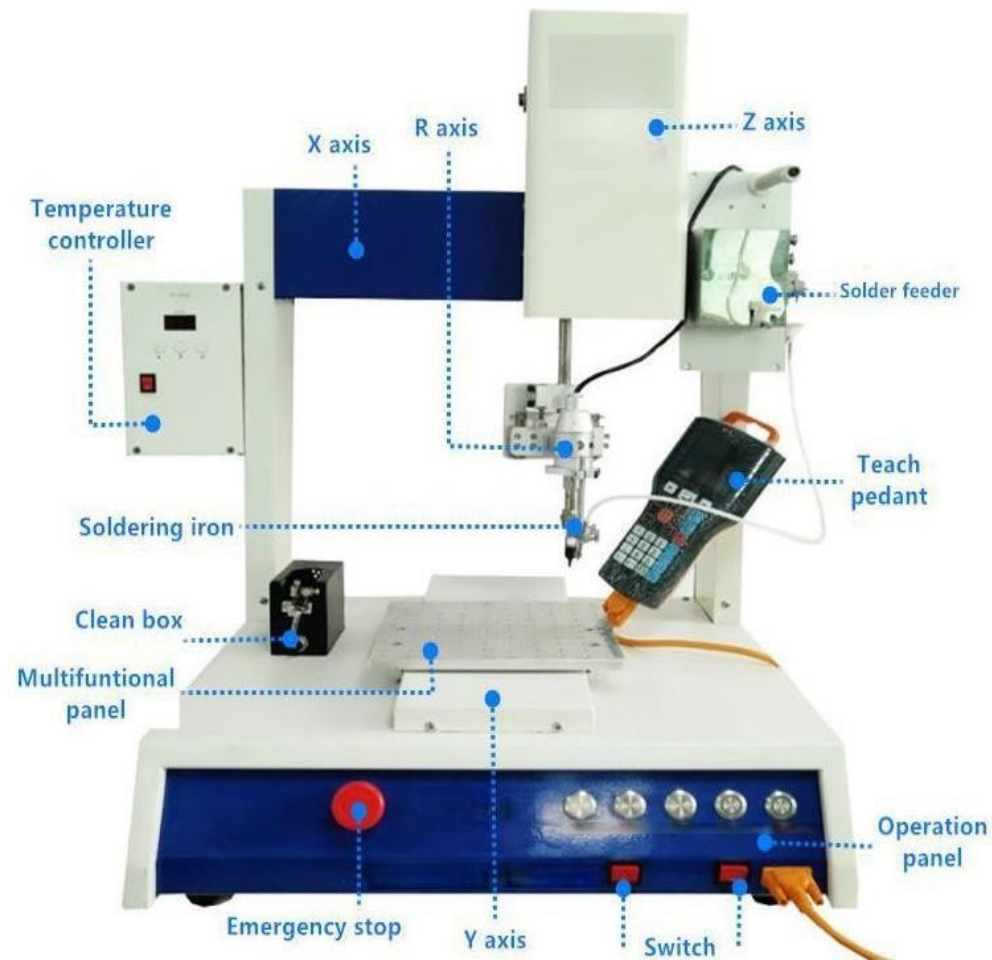


Main features

1. Double Y-axis platform soldering machine uses four-axis controller, which is easy to operate and stable.
2. Y1 and Y2 platforms work in turn, and no shutdown is needed when clamping products, which greatly improves production efficiency.
3. High-strength solder head can be customized for high quality melting.
4. Program can be fast made by re-set, insert and delete the spot of the soldering or full modification.
5. Clamping slot for easily fetch and have the products changed.
6. Feeding tins at any time to apply for multiple welding and high efficiency.
7. The soldering temperature controller can control the temperature accurately and durable.
8. Auto anti-collapse.
9. Programming with teaching pendant for all new users to operate within 2 hours.
10. Machines of different specifications can be customized according to customer's products.

AUTOMATIC SOLDERING MACHINE

Model: 331HX
with single head

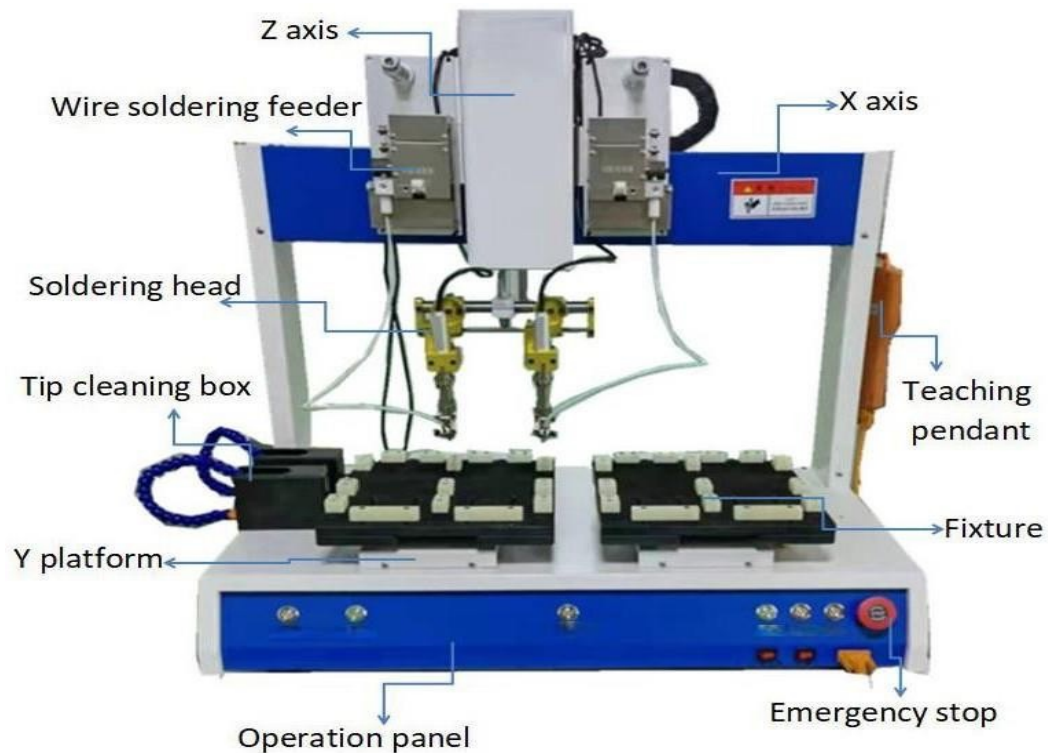


Main features

1. The multi-axis linkage robot, with the drive of precision stepper motor and the advanced motion control algorithm, effectively improves the positioning accuracy and repeat precision.
2. With the embedded industrial computer control, the robot can achieve different tasks such as single joint/single time/cyclic soldering operation.
3. With the Teaching Pendant, you can enter directly the coordinates of the solder joint, or you can teach and playback the position coordinates. As the teaching programming is quite simple, even beginners can quickly grasp the operation essentials.
4. The soldering iron unit can be adjusted to any direction. It can achieve 360° free rotation by controlling the R-axis. According to different solder pad and components, you can set at will the solder feeding times, preheating time and soldering time, to achieve the complicated soldering work.
5. With an external I/O interface, it can fulfill the functions such as real-time control on peripheral devices, intelligent control, error alarm, etc. With the intelligent master control program, it realizes the automatic and smart soldering process.

AUTOMATIC SOLDERING MACHINE

Model: 5331HX
with double head



Main features

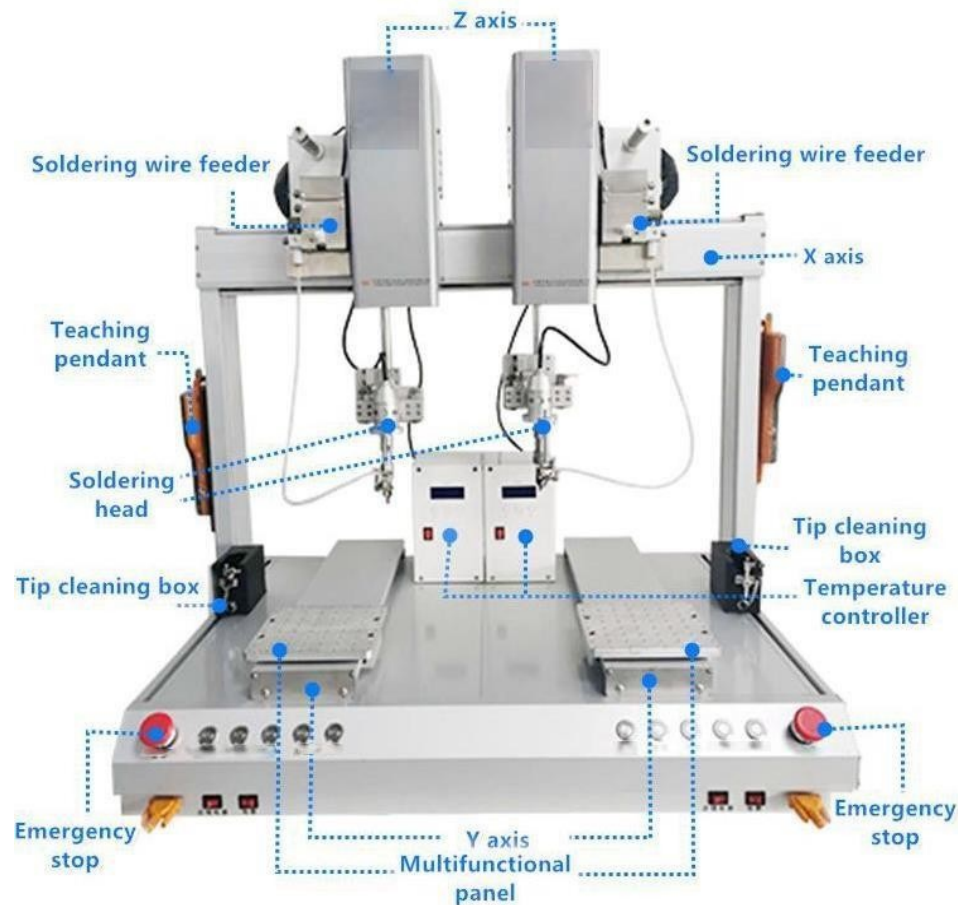
1. Customized double tin feeding head according to customer products to provide the best solution for soldering job on lead-free, heat dissipating PCB, and high thermal capacity components.
2. With double working platform, save the waiting time to place the product, raise productivity
3. Other features same as soldering machine with double platform.

AUTOMATIC SOLDERING MACHINE

Model: 6331HX

with double tin feeding system

Main features



1. Double Iron heads with double Y platform, no shutdown is needed when clamping products, can soldering at the same time, which greatly improves production efficiency.
3. High-strength solder head can be customized for high quality melting.
4. Program can be fast made by re-set, insert and delete the spot of the soldering or full modification.
5. Clamping slot for easily fetch and have the products changed.
6. Feeding tins at any time to apply for multiple welding and high efficiency.
7. The soldering temperature controller can control the temperature accurately and durable.
8. Auto anti-collapse.
9. Programming with teaching pendant for all new users to operate within 2 hours.
10. Machines of different specifications can be customized according to customer's products.

AUTOMATIC SOLDERING MACHINE

Model: 7331HX

Custom-design floor type

Main features



1. Custom-design floor type soldering machine with steel frame according to customer product requirements. It is convenient to move the machine around.
2. Double iron heads and dual platforms, no shutdown is needed when clamping products, can working at the same time, which greatly improves production efficiency.
3. High-strength solder head can be customized for high quality melting.
4. Program can be fast made by re-set, insert and delete the spot of the soldering or full modification.
5. Clamping slot for easily fetch and have the products changed.
6. Feeding tins at anytime to apply for multiple welding and high efficiency.
7. The soldering temperature controller can control the temperature accurately and durable.
8. Auto anti-collapse.
9. Programming with teaching pendant for all new users to operate within 2 hours.
10. Machines of different specifications can be customized according to customer's products.

AUTOMATIC SOLDERING MACHINE

Model: BNHT-8331HX

Customized inline soldering machine

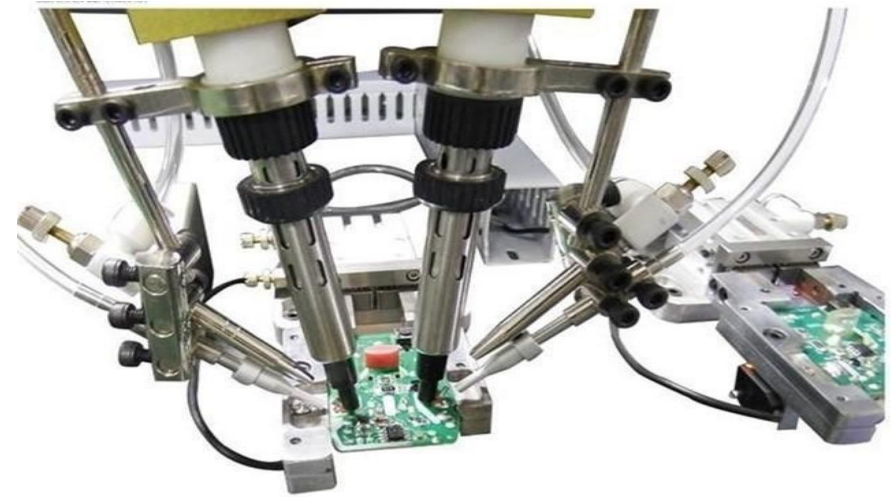


Main features

1. Custom-design floor type soldering machine with steel frame according to customer product requirements. It is convenient to move the machine around.
2. With automatic conveyor belt, convey multi-product in turns automatically, save the time to pick & place product frequently, realize high efficiency.
3. Easy for programming with HMI screen and teaching pendant.
4. Machine fully customized based on customers' requirements.
5. Cooperate with production line.

I. Detail parts

Soldering on products



Soldering head



Teach Pendant

II. Detail parts



Iron tip clean box



Solder feeder



Solder head



Temperature Controller

Applications of Soldering machine



Specifications for Automatic Soldering Machine

Model	331LS (Single Y platform)		-5441LS (Double Y platform)		6441LS (Dual screw feeding system)		CUSTOMIZED
Voltage	AC 110/220V 50/60HZ						
Power	350W		350W		700W		To order
Movable range	X	300mm	X	500mm	X1/X2	500mm	To order
	Y	300mm	Y1/Y2	300mm	Y1/Y2	300mm	
	Z	100mm	Z	100mm	Z	100mm	
	R	360°	R	360°	R	360°	
Max moving speed	X	600mm/s	X	600mm/s	X1/X2	600mm/s	To order
	Y	600mm/s	Y1/Y2	600mm/s	Y1/Y2	600mm/s	
	Z	400mm/s	Z	400mm/s	Z	400mm/s	
	R	300° /s	R	300° /s	R	300° /s	
Repeat Positioning Accuracy	±0.02mm (X * Y * Z), ±0.05° (R)						To order
Maximum Load Weight	8KG (For Work Platform)						To order
Programming File Capacity	256MB up to 999 files, single file up to 1000 points						To order
Preheating Temperature Range	0℃~ 550℃						To order
Solder Wire Diameter	0.4, 0.6, 0.8, 1.0, 1.2,1.6 (mm)						To order
Tin feeding control	Precision stepper motor						To order
External Dimensions(L*W*H)	70*60*85(CM)		85*60*85(CM)		100*60*85(CM)		To order
Weight	65KG		90KG		120KG		To order

Semi-Automatic Wire Soldering Machine

Model: 200HX



Main features:

1. High-speed temperature controlling system.
2. Pulse heating, can be set to different multi-zone temperature control sensor detected by the system.
3. Operation interface with 7" touch screen, easy to operate.
4. Machine adjustment mode, welding head level adjustment, transfer machine convenient and quick, and a system of automatic detection, fault alarm, adjust the parameters of memory function.
5. High quality titanium alloy pressure of indenter and imported temperature sensor, to ensure accurate heating temperature.
6. Clamp fixed type, so that soldering is more sophisticated and efficient.
7. Temperature sensor detected by the system control, and equipped with password protection, the system self-test.
8. Suitable for type c 3.1, HDMI, USB, MINI DP, medical line, very fine coaxial line, mobile phone axis line, FFC, LVDS pin and more dense connectors and wire soldering.

Specification for Semi-Automatic Wire Soldering Machine

Model	-200HX
Power supply	AC 110V/220V 50/60HZ
Air pressure	0.5-0.8Mpa
Drive mode	Pneumatic/electric
Power	200W
Temperature range	50-550°C
Temperature accuracy	+/-2°C
Soldering time & tin feeder	Adjustable
Soldering wire	0.4-2.0mm
Weight	15kg
External Machine Size (L*W*H)	40*35*40CM

PCB SEPARATOR MACHINE

Model: 500

Main features:



A PCB (Printed Circuit Board) separator machine is a specialized device used in the electronics manufacturing industry to separate individual circuit boards from a larger panel or array. These machines are essential in streamlining the production process, reducing the risk of damaging components, and ensuring clean and precise separation.

- *High-Quality Blades: Durable, sharp blades that can handle frequent use without dulling quickly.

- *Variable Speed Control: Adjust the cutting speed to suit different materials and complexities.

- *Smooth Operation: Ensures minimal stress and damage to the PCB components during separation.

- *High Precision Cutting: Ensures clean, accurate separations

Split spindle box



Workbench



Split controller system



Machine body



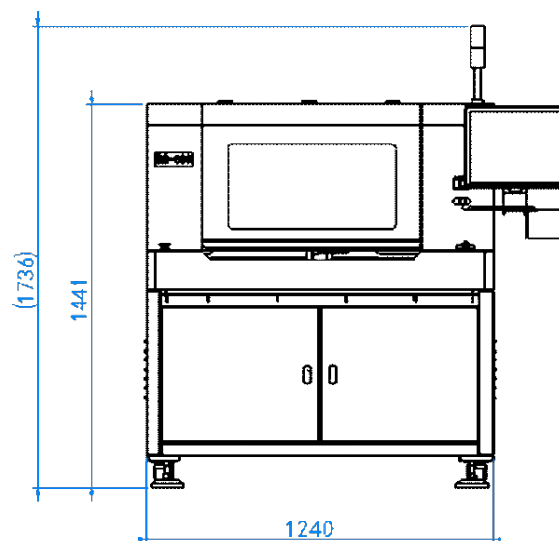
Industrial duct collector



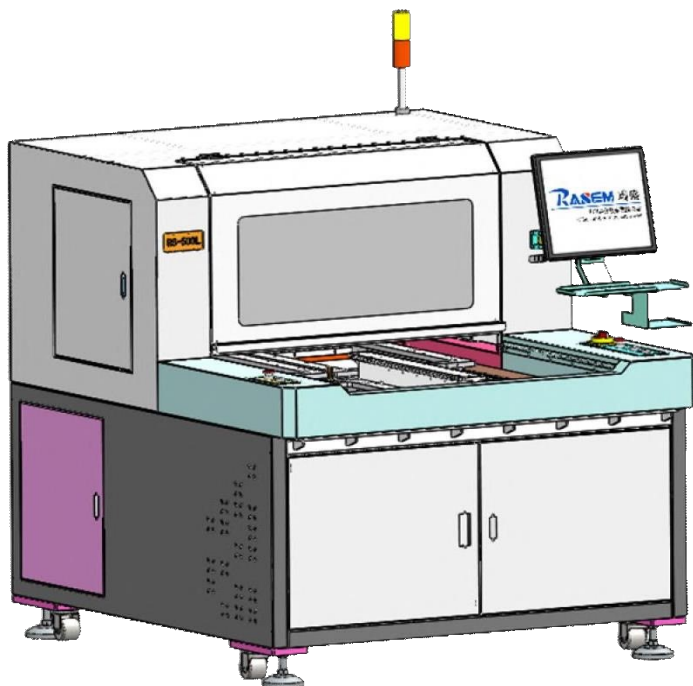
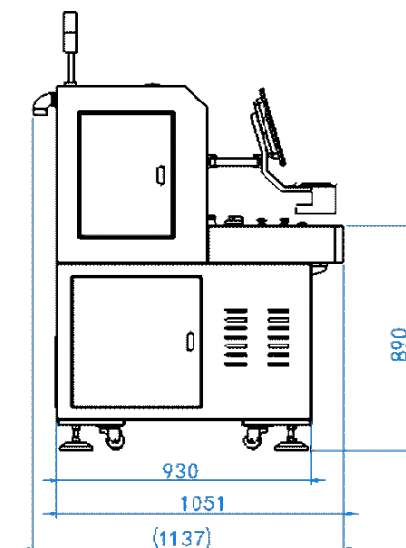
PCB Separator Machine

Appearance and Dimension

Front view



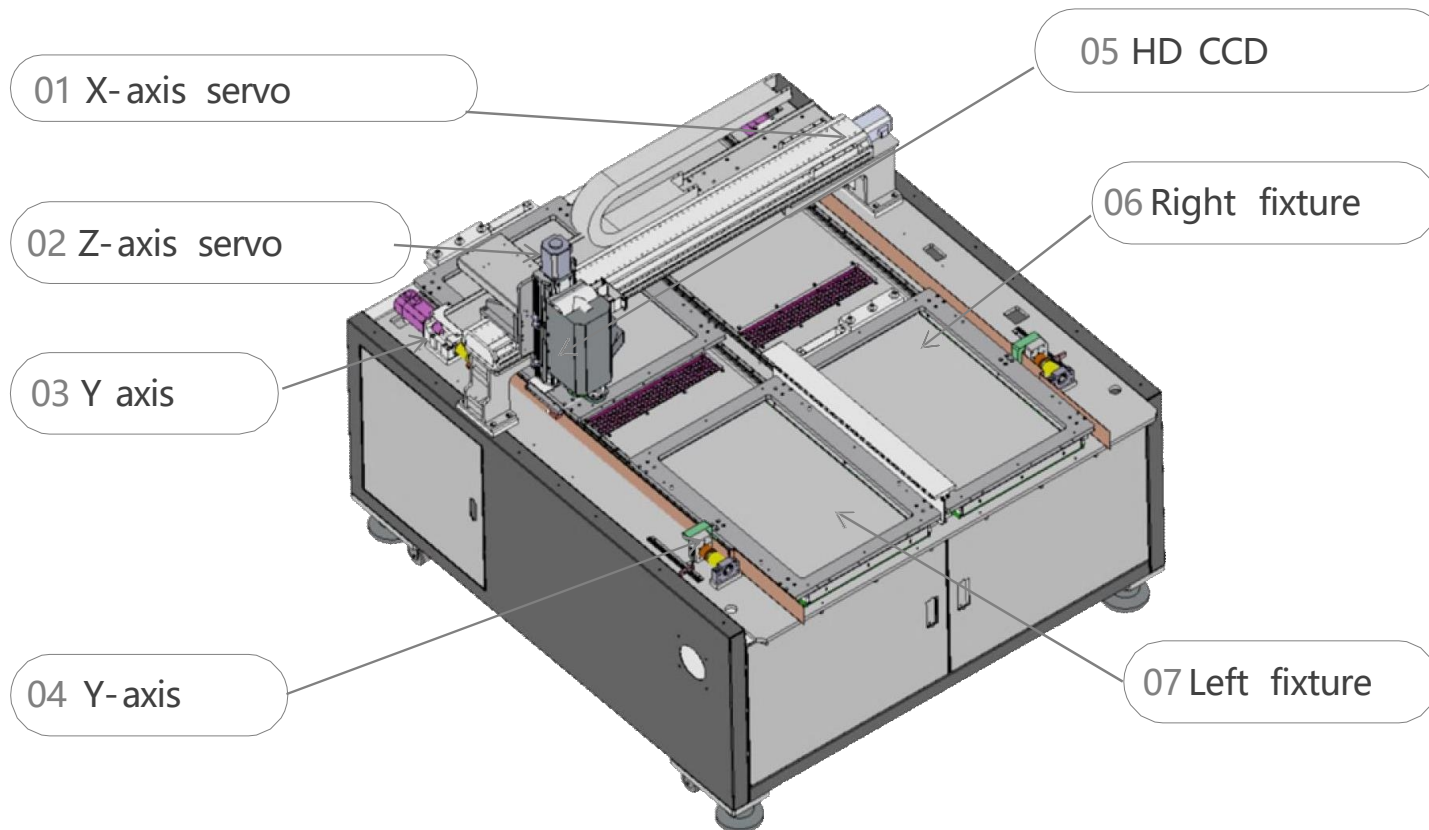
Side view



Model	BN-500 visual automatic depaneling machine
Machine dimension	1240x1051x1441mm (W *D*H)
Main component	Machine bed + workbench + spindle box + PCBA cutting vision control system + external vacuum cleaner
Applicable industries and fields	Widely used in aerospace, communications electronics, semiconductors, medical electronics, automotive electronics, GPS, boards and other PCB boards.

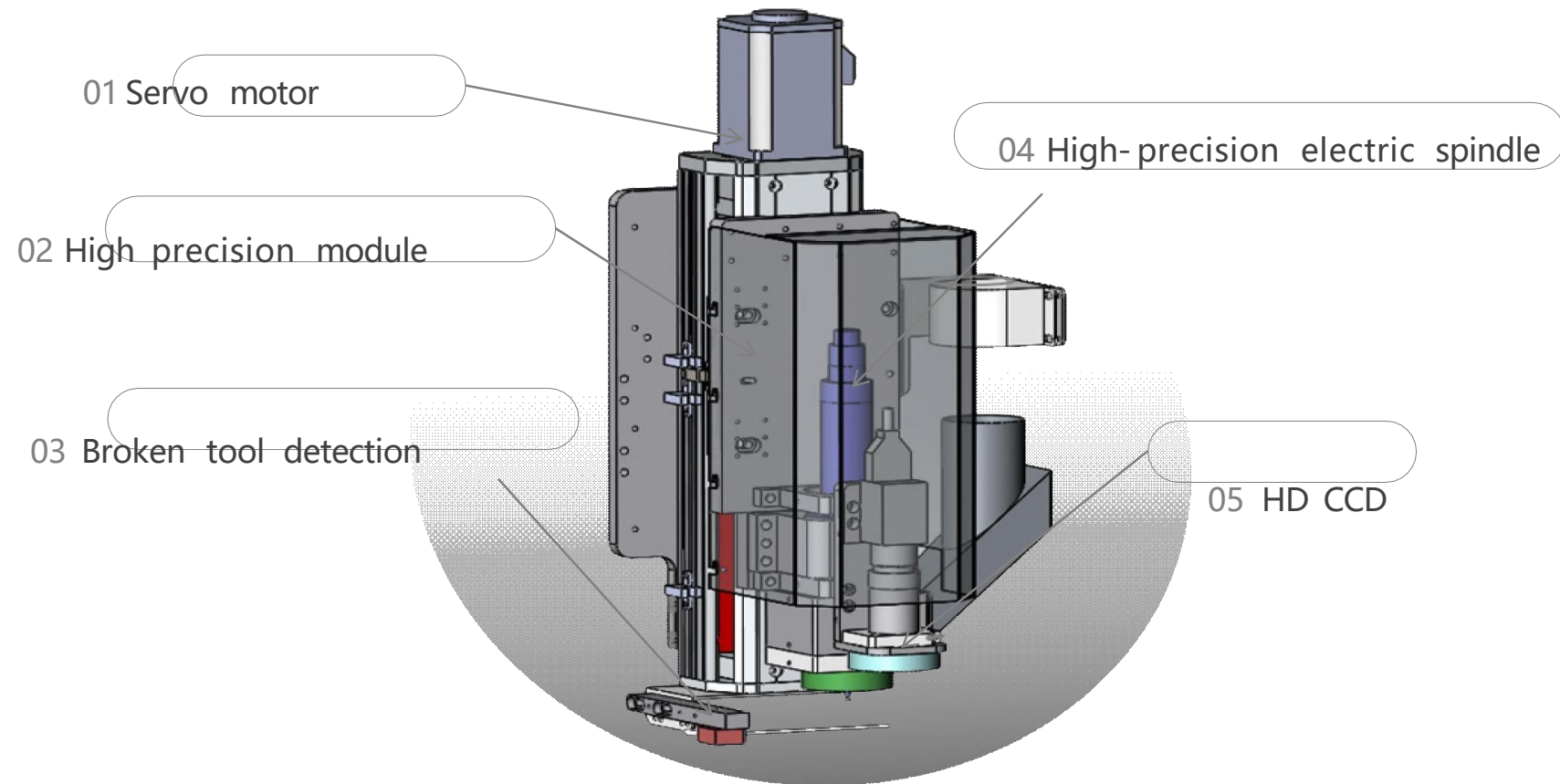
PCB Separator Machine

Internal Structure-Workbench and spindle box



PCB Separator Machine

Internal Structure-Spindle



Specifications for PCB Separator Machine

No.	Item	Parameter	No.	Item	Parameter
1	working mode	Offline	13	Spindle/speed	RSK/60,000 rpm
2	Platform	Double platform	14	Cutting speed	1mm/s-100mm/s
3	Cover method	Manual cover	15	Operation interface	WIN10 window operation interface
4	visual system	High resolution CCD	16	Programmed teaching method	Color CCD image intuitive teaching input
5	Driver motor	servo motor	17	Program backup	USB interface
6	Effective cut size	MAX: 340*380mm	18	Control method	Motion control module
7	Max PCB thickness	5mm	19	XYZ axis drive mode	Panasonic AC servo motor
8	Cutting function	Straight line, circle line, arc, diagonal lin	20	Applicable milling cutter size	0.8-3.0mm
9	Machine repeatability		21	Host power specifications	AC110/220V 50/60HZ three-phase
10	Cutting accuracy		22	Machine weight	500kg
11	Max movement speed	XY 1000mm/s Z 500mm/s	23	Dust collector weight	300kg
12	Max moving range	X:750,Y:510,Z:100mm	24	Dust collection method	Upper dust collection/lower dust collection

PCB SEPARATOR MACHINE

Model: ZM3001T

Main features:

Desktop PCB cutter machine takes up little space, easy and quick to operate

1. Desktop single table cutting machine, speed up to 100mm/s,

positioning speed 500mm/s.

2. High-quality shaft system enables the system to accelerate and decelerate quickly, improve productivity, and maintain high precision;

3. The ingenious carrier cavity mechanism is equipped with a high-power and strong suction dust collection device to ensure accurate positioning. It can also remove dust very effectively

4. Optional tool breakage detection function. After the tool is broken, the equipment will alarm and the spindle will automatically stop running. After the tool is replaced, you can continue to split boards;

5. The spindle can be equipped with an ion air gun and static elimination device, which can be used with the dust suction device to fully remove dust.

6. Optional MES or ERP connection port to connect to the central database in real time.

7. The optional barcode camera can automatically scan barcodes and upload relevant information to the machine computer database.



Industrial duct collector

Specifications for PCB Separator Machine

Category	Item	Specifications
Basic parameters	Rated voltage	Panel splitter AC single phase 220V; vacuum cleaner AC three phase 380V 50HZ
	Rated power	600W (without vacuum cleaner)
	Size (L*W*H)	830*930*840mm
	Weight	140KG
Technical parameters	Drive system motor	Closed loop stepper motor
	Spindle	Domestic high-speed spindle (6000-40000) RPM
	Movement speed	X/Y: 250mm/s Max
	Repeat positioning accuracy	$\pm 0.05\text{mm}$
	Cutting speed	Maximum 100mm/s (depending on the circuit board material and cutting quality)
	Positioning accuracy	$\pm 0.02\text{mm}$
	Configuration	X, Y, Z three-axis, precision module
	Maximum cutting size	300*300mm
	Cutting accuracy	$\pm 0.15\text{mm}$, for straight and curved profiles
	Circuit board positioning	Special or standard fixtures
	Loading and unloading method	Manual method
	Circuit board thickness	0.5mm-5mm, Component height limit: 12mm on the front, 25mm on the back
	Security settings	Emergency stop switch, alarm switch, grating protection system

AUTOMATIC GLUE DISPENSER MACHINE

Model: 331DJ
with single platform

Main features

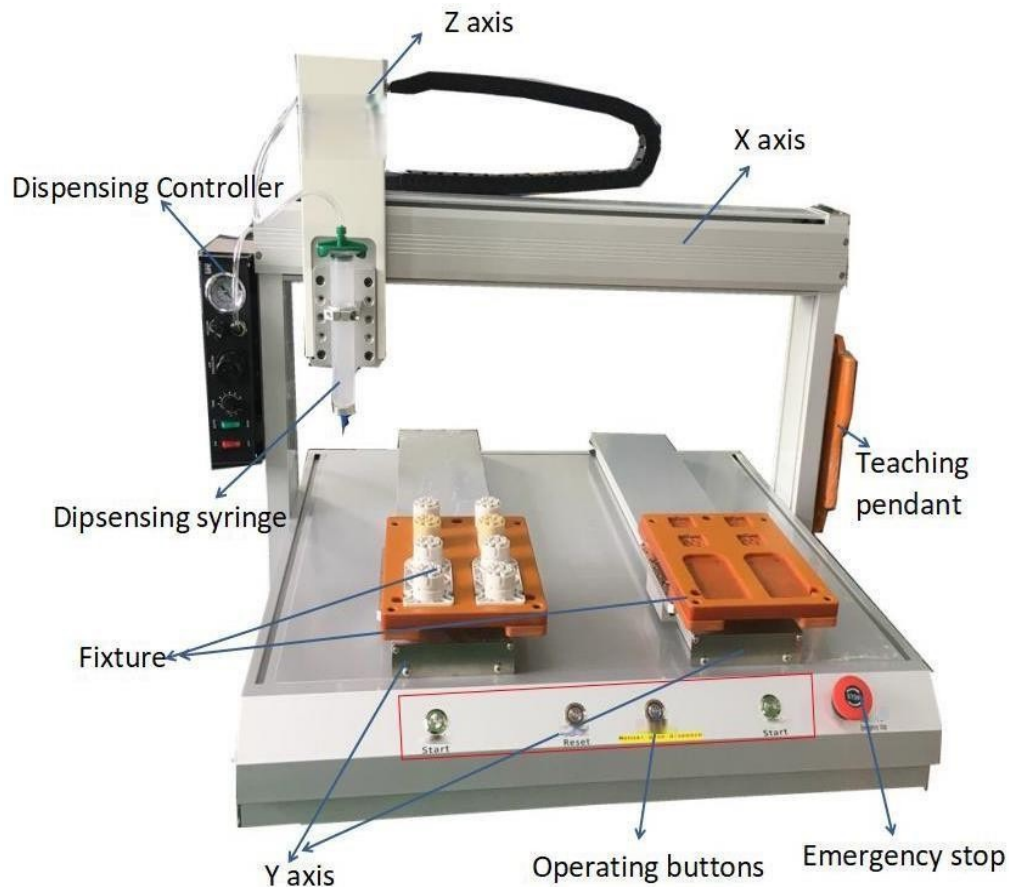
1. The dispensing needle can rotate 360° in any direction horizontally.
2. The dispensing needle can be continuously adjustable in the vertical direction as required.
3. It can meet the continuous operation of production line or automatic dispensing. The pressure barrel type loading and unloading glue is fast and convenient, which saves the operation time on the production line and saves a lot of glue and packaging material cost.
4. Compact design: The material barrel and metering pump are built in the anti-compact design of the main body, which makes the operation simple and convenient, and can be easily placed in a small space;
5. Piston pressure barrel type glue machine to solve the special demand of high-viscosity silicone high-speed glue supply for automatic dispensing machine, the silicone dispensing speed is improved.



AUTOMATIC GLUE DISPENSER MACHINE

Model: 5331DJ
with double platform

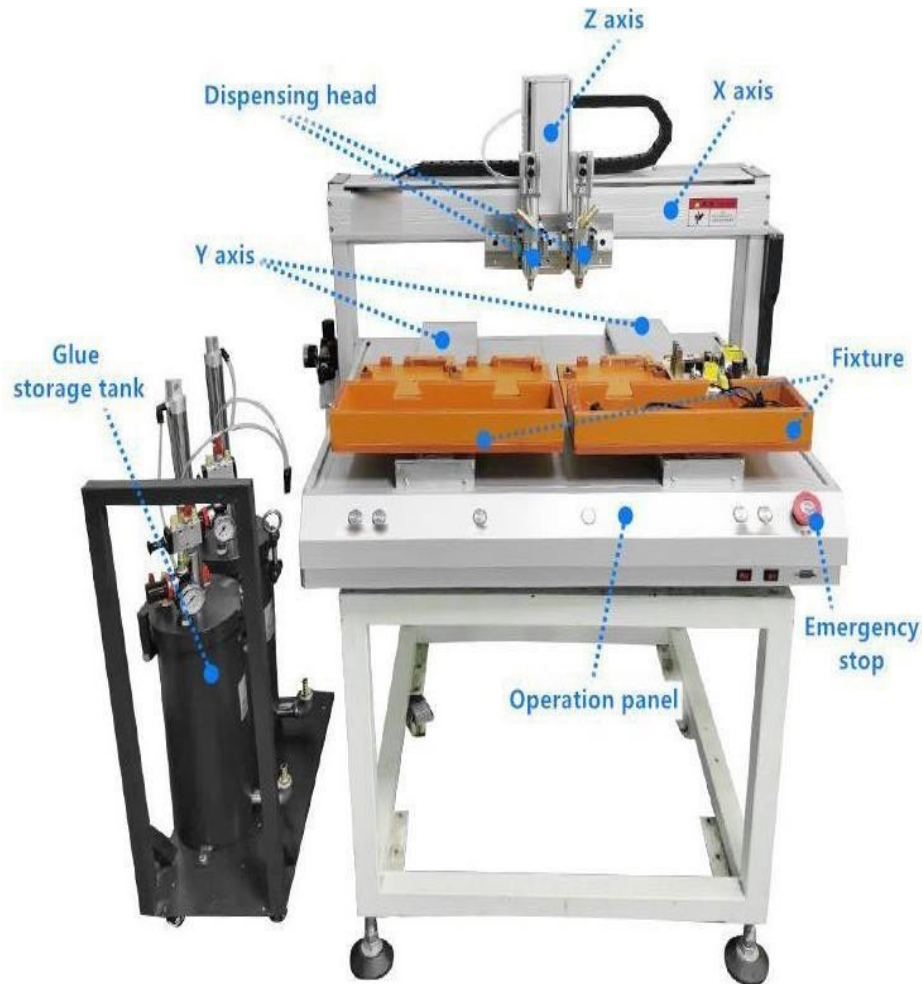
Main features



1. The dispensing needle can rotate 360° in any direction horizontally.
2. With double platform, working in turn, save product pick & place time.
3. The dispensing needle can be continuously adjustable in the vertical direction as required.
4. It can meet the continuous operation of production line or automatic dispensing. The pressure barrel type loading and unloading glue is fast and convenient, which saves the operation time on the production line and saves a lot of glue and packaging material cost.
5. Compact design: The material barrel and metering pump are built in the anti-compact design of the main body, which makes the operation simple and convenient, and can be easily placed in a small space;
6. Piston pressure barrel type glue machine to solve the special demand of high-viscosity silicone high-speed glue supply for automatic dispensing machine, the silicone dispensing speed is improved.

AUTOMATIC GLUE DISPENSER MACHINE

Model: 5331DJ with
double dispensing head

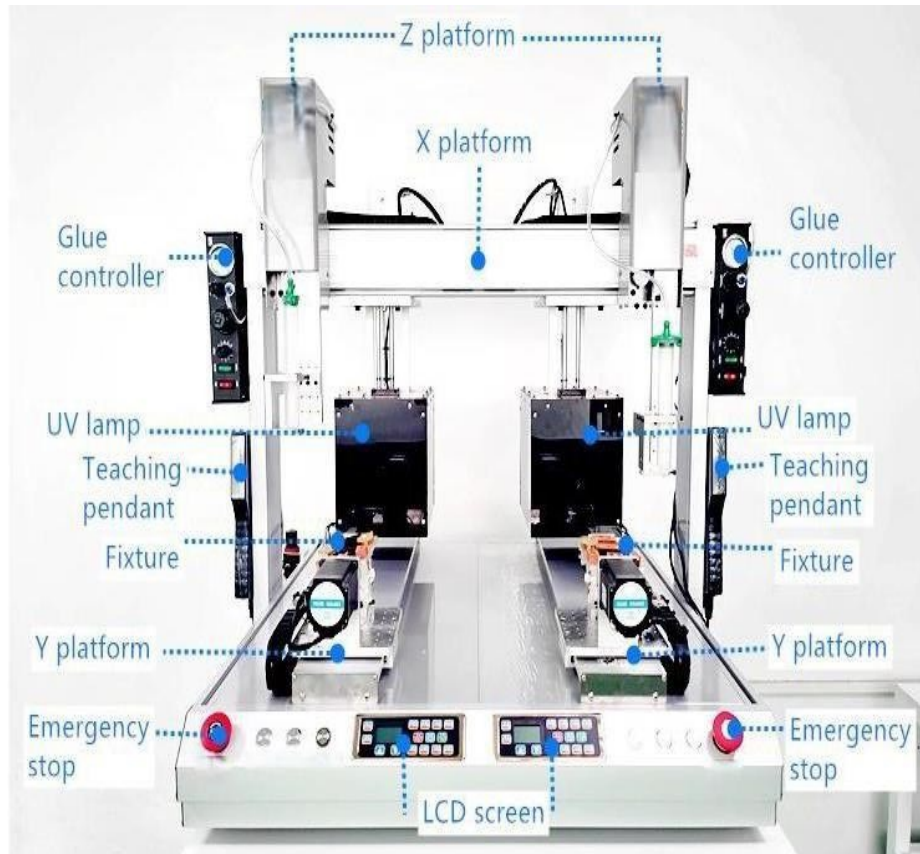


Main features

1. Customized double glue feeding head and double Y platform according to customer products to provide the best solution for glue dispensing job
2. Y1 and Y2 platforms work in turn, and no shutdown is needed when clamping products, which greatly improves production efficiency.
3. Other features same as glue dispensing machine with double platform

AUTOMATIC GLUE DISPENSER MACHINE

Model: BNHT-6441DJ
with double platform & UV lamps



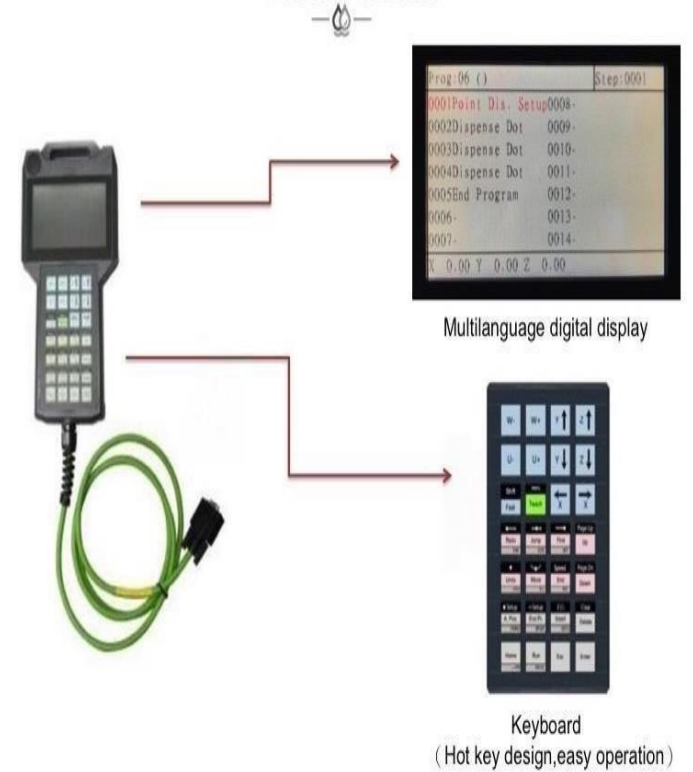
Main features

1. Customized double glue feeding head and double Y platform according to customer products to provide the best solution for glue dispensing job, also add two UV lamps to cure quickly after dispensed.
2. Y1 and Y2 platforms work in turn, and no shutdown is needed when clamping products, which greatly improves production efficiency.
3. Other features same as glue dispensing machine with single platform

Detail parts



Teach Pendant



Suitable for Various Glues

Silicon Glue

UV glue

AB Glue

Coating Glue

Sealant

Grease

Silver Glue Quick

Adhesive

Hot melt adhesive

Red glue

Solder Paste

Cooling paste

Screw-thread retaining compound

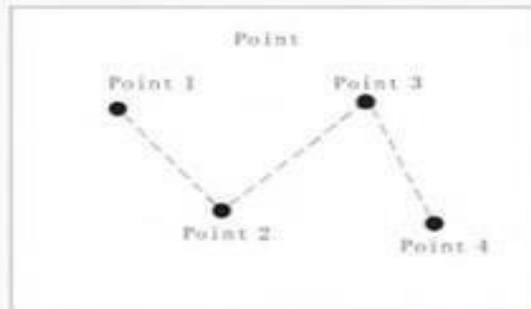
Syringe AB glue

Paint

More...



Dispensing Path



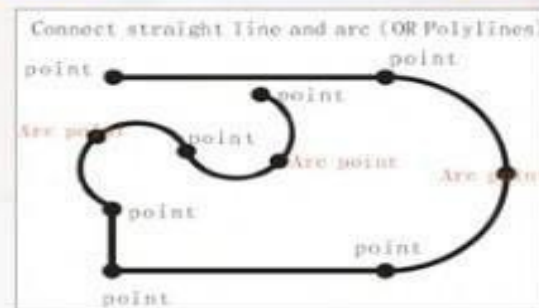
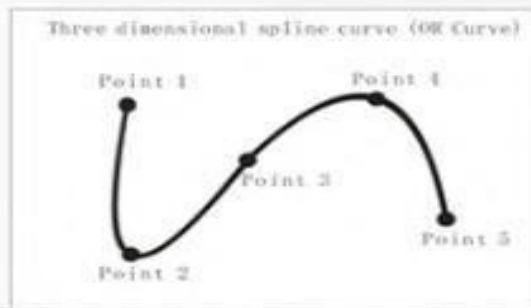
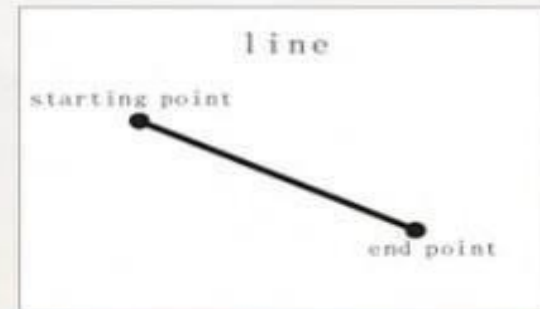
Instruction List F2-Step F3-All F4-Multi

Point (Key Move)

X:	26.589	in in
Y:	20.461	in in
Z:	12.600	in in
L:	35.779	in in

1 Low 2 Mid 3 High Curve

Enter Cancel

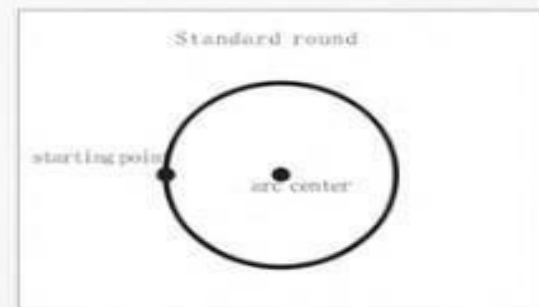
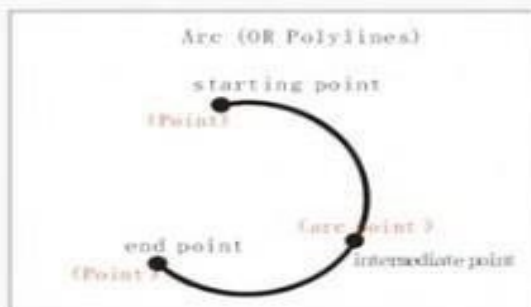


Select CID type

Start (Key Move)

X:	139.737	mm
Y:	99.045	mm
Z:	172.622	mm
L:	0.000	mm

1 Low 2 Mid **3 High**



Applications of Glue Dispenser Machine

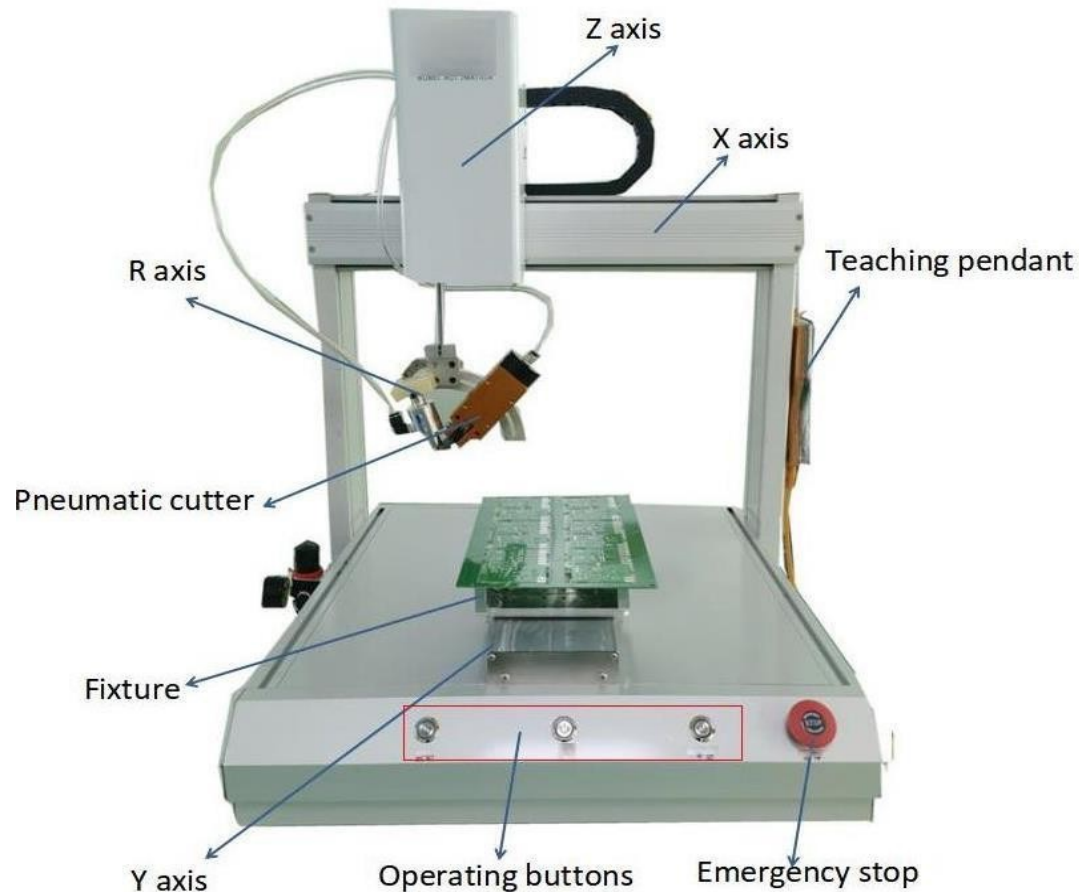


Specifications for Automatic Glue Dispenser Machine

Model	331DJ (SingleY platform)		5331DJ (DoubleY platform)		6441DJ (Doublegluedispensingsystem)		Customized
Powersupply	A C 220V50/60HZ						
Stroke	X	300mm	X	500mm	X	600mm	Toorder
	Y	300mm	Y1/Y2	300mm	Y1/Y2	400mm	
	Z	100mm	Z	100mm	Z	100mm	
Maximum Load Weight	8KG (for workplatfrom)						Toorder
Runningtrack	Dotted, linear arcs and regular paths						
Movingspeed	10-800mm/s						
Airpressure	0.5-0.7MPa						
Positionaccuracy	± 0.05mm/axis						
Programcapacity	999groups/1000pointspergroup						
Motorsystem	MicroPrecisionSteppingMotor						
Transmission mode	Precisiontoothedbelt+ guiderail						
Minimum glue amount	0.01ml						
Controlpanel	Teachingpendantwithdisplayscreen						
Workenvironment	Temperature: 5-40°CHumidity: 20-90%						
Weight	60kg		100kg		150kg		Toorder
External Machine Size (L*W*H)	700*630*700mm		820*730*700mm		920*730*700mm		Toorder

AUTOMATIC PCB LEAD PIN CUTTING MACHINE

Model: 331CU
with single platform

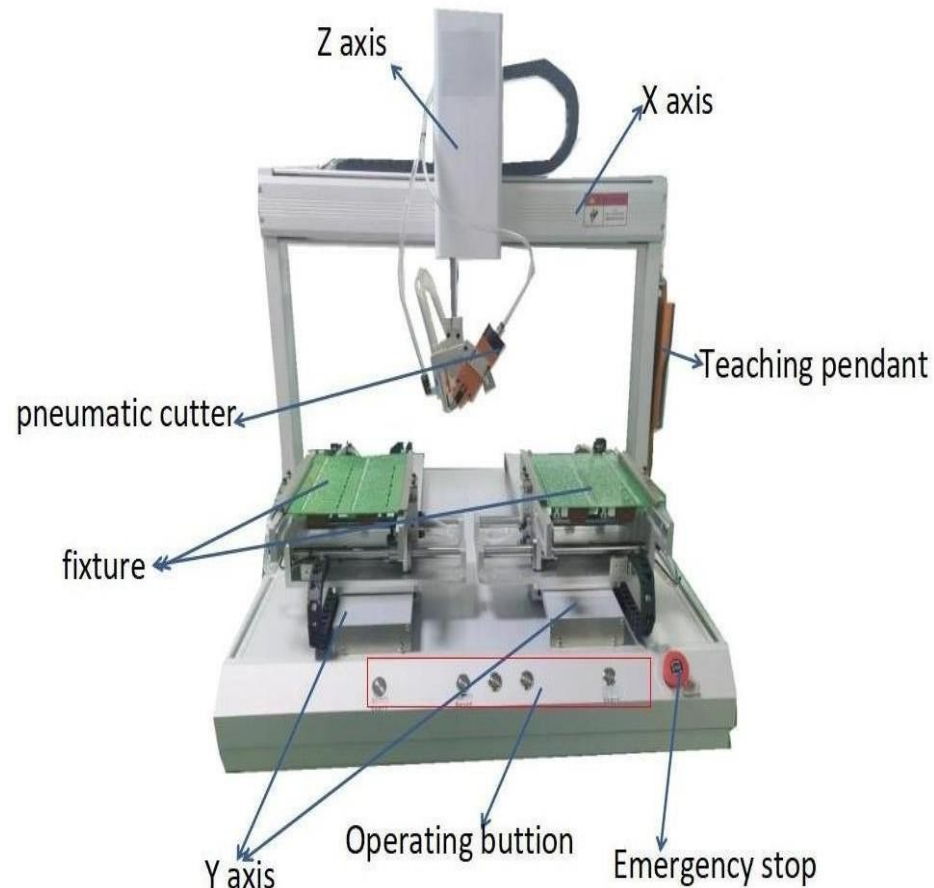


Main features

1. Easy operation with human-machine interface control panel.
2. Universal product fixture to meet different PCB size.
3. Large program capacity, can store more than 1,000 processing files, and each file supports 8,000 instructions.
4. High cutting efficiency: 6000-7500points /hour.
5. The cutting speed & single point amount of PCB leads can be set separately, leads cutting accuracy $\pm 0.2\text{mm}$.
6. Equipped with High-precision stepper motor control.
7. Automatic soldering foot cutting machine can be used to cut any shape of point, line, arc, etc.
8. The clipping head can be adjusted at any angle in any direction, with wide applicability to meet different needs.
9. Machines of different specifications can be customized based on customer's requirements.

AUTOMATIC PCB LEAD PIN CUTTING MACHINE

Model: 5331CU
with double platform

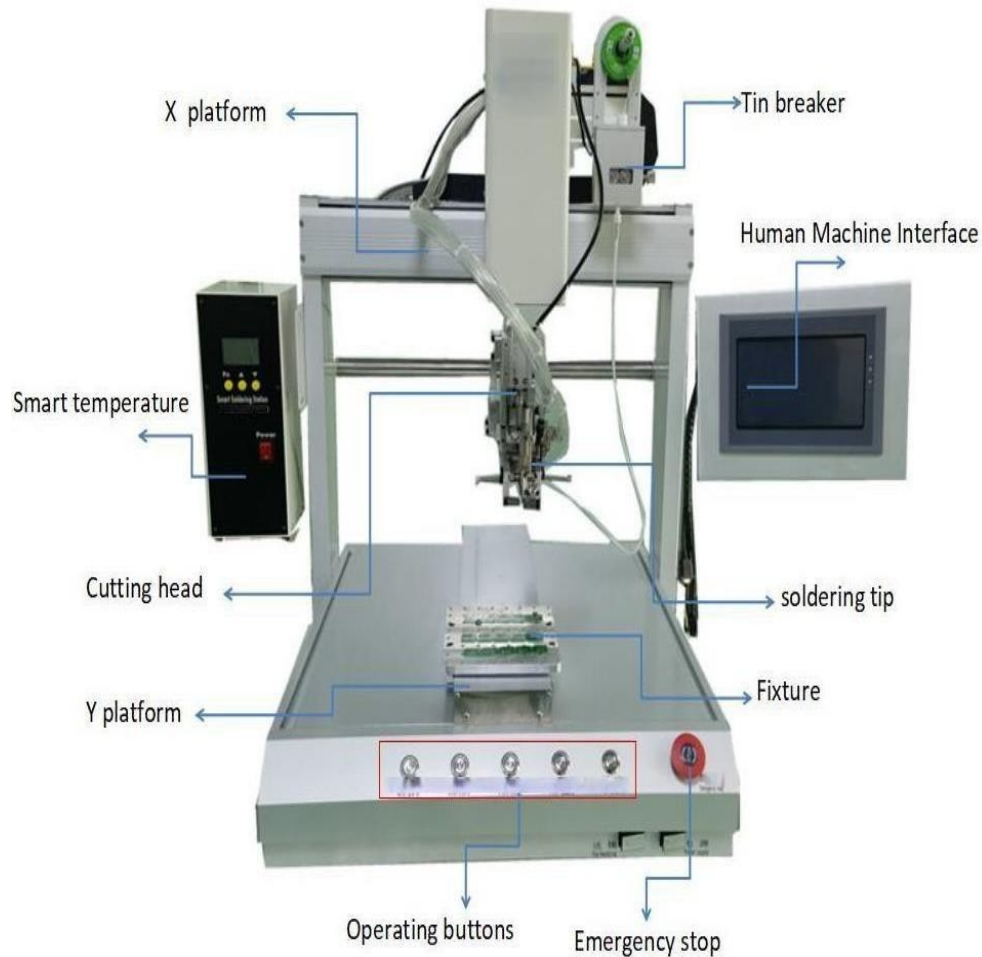


Main features

1. Easy operation with human-machine interface control panel.
2. Universal product fixture to meet different PCB size. Y1 and Y2 platforms work in turn, and no shutdown is needed when clamping products, which greatly improves production efficiency.
3. Large program capacity, can store more than 1,000 processing files, and each file supports 8,000 instructions.
4. High cutting efficiency: 6000-7500points /hour.
5. The cutting speed & single point amount of PCB leads can be set separately, leads cutting accuracy $\pm 0.2\text{mm}$.
6. Equipped with High-precision stepper motor control.
7. Automatic soldering foot cutting machine can be used to cut any shape of point, line, arc, etc.
8. Machines of different specifications can be customized based on customer's requirements.

AUTOMATIC PCB LEAD PIN CUTTING MACHINE

Model: 331CU
with soldering function



Main features

1. Easy operating with human-machine interface.
2. Customized fixture tooling to meet different PCB size.
3. Large program capacity, can store more than 1,000 processing files, and each file supports 8,000 instructions.
4. High efficiency: 1.5seconds per wire cut and soldering point
5. Equipped with High-precision stepper motor control.
6. The clipping head can be adjusted at any angle in any direction, with wide applicability to meet different needs.
7. All in one machine: can soldering and cutting the wires at the same time.
8. Support customized machine based on customer's requirements.

Detail parts

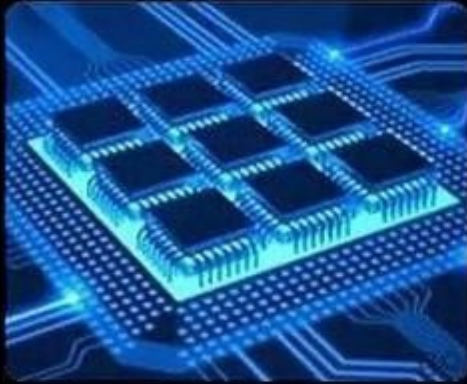


Cut the feet precisely



Clean without blemish

Application of PCB Lead Pin Cutting Machine



Electronic communication industry



LED lighting industry



Power industry



Automobile industry



Appliance industry



Industrial electrical industry

Specifications for PCB Lead Pin Cutting Machine

Model	331CU (Single Y platform)		5331CU (Dual Y platforms)		6331CU (Dual cutting systems)		CUSTOMIZED
Voltage	AC 110/220V 50/60HZ						
Power	350W		350W		700W		To order
Movable range	X	300mm	X	500mm	X	600mm	To order
	Y	300mm	Y1/Y2	300mm	Y1/Y2	300mm	
	Z	100mm	Z	100mm	Z	100mm	
	R	360°	R	360°	R	360°	
Repeat Positioning Accuracy	±0.03mm						To order
Maximum Load Weight	8KG (For Work Platform)						To order
Programming File Capacity	1000 files, 8000 points per set						To order
Cutting efficiency	6000-7500 points per hour						To order
Cutting capacity	Copper wire ≤ Φ3.0mm (change different cutters according to wire diameters)						To order
Driving mode	Precision stepping motor						To order
External Dimensions(L*W*H)	45*60*45(CM)		60*70*70(CM)		100*60*85(CM)		To order
Weight	65KG		80KG		120KG		To order

AUTOMATIC WIRE THREAD INSERTS TIGHTENING MACHINE

Model: 5331YT
with double platform



Main features

1. Adopting the vibrating feeder and direct vibration track for feeding the screw thread inserts.
2. Using servo motor screwdriver for feeding and reclaiming.
3. Y1 and Y2 platforms work in turn, and no shutdown is needed when clamping products, which greatly improves production efficiency.
4. Retracted the thread insert tail automatically.
5. With machine frame for easy product placing and can move around conveniently.
6. High working efficiency: up to 6S/pcs.
7. Can equipped with functions of glue dispensing and depth dection.
8. Can performed as double screw thread inserting tightening system.
9. Customized machine is available.

Detail parts

ABOUT DETAILS



Equipped with vibrating plate + direct vibrating track to convey and feed screw thread, servo motor screwdriver to screw the thread. Feeding efficiency up to 65/pcs

M3-M10 screw thread



Screw thread assembly

Specification for Wire Thread Inserts Tightening Machine

Voltage	AC110/220V 50/60HZ
Power	1000W
Stroke	500*400*400*100mm (X*Y*Z), can be customized
Movement speed	10-500mm/S
Position accuracy	±0.05mm/axis
Universal screw thread	M3-M10
Screw thread height	6-20mm
Screw thread material	Copper, Aluminum, Metal, Stainless steel
Screw thread type	Self-tapping thread, screw thread, steel thread
Transmission mode	Precision toothed belt+guide rail
Control panel	PLC+HMI screen
Conveying mode	Vibrating plate+direct vibrating track
Work efficiency	6S/pcs (include cutting thread tail), details depends on thread size
Air pressure	0.4-0.6Mpa
External port	RS232
Program capacity	12 groups, 20 points per group; can be customized
Work environment	Temperature: 5-40°C Humidity: 20-90%
Weight	580kg
External machine size (L*W*H)	850*1270*1560mm

DRY ICE BLASTING MACHINE

Model: 04

Block Dry Ice Machine



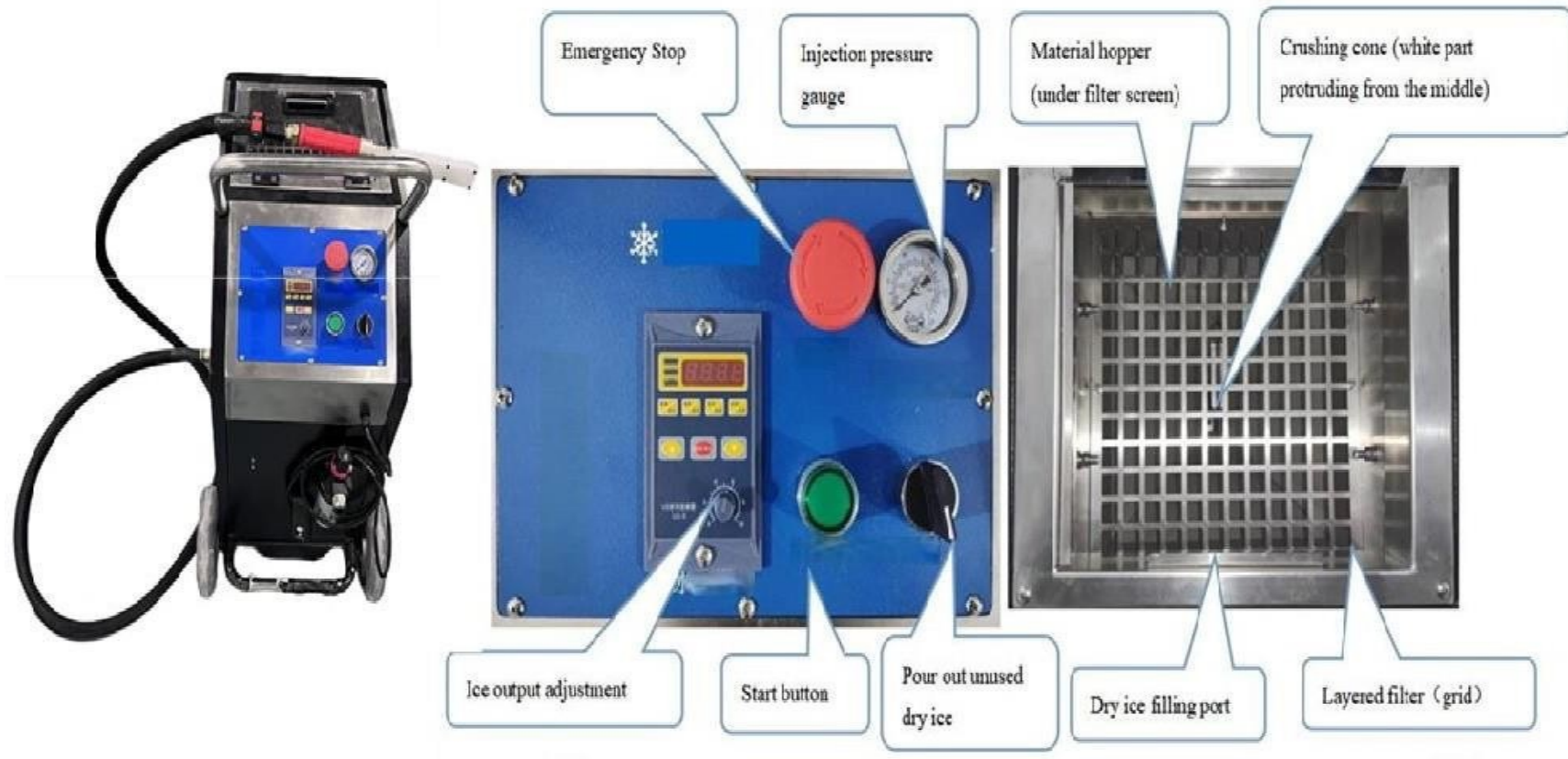
Control panel and functions

Main features

- * [High-Efficiency Cleaning]: It adopts dry ice cleaning tech, which accelerates the dry ice particles through high-pressure airflow and impacts the deposits, thus removing the carbon buildup thoroughly. It can fully clean the carbon deposits in all vehicle parts without disassembling them as well. This effectively reduces the cleaning time and greatly improves efficiency.
- * [Eco- Safety]: Dry ice particles will sublime and gasify without leaving a mess after cleaning, which greatly save your time and labor-free; it is eco-friendly that will keep equipment safe.
- * [Intelligent Control Panel]: Dry Ice Blasting machine is designed with an Intelligent microcomputer inside, which can precisely control the pressure. It can be optimally adapted to the cleaning task due to its adjustable control for air pressure and ice rate.
- * [Widely Used]: Dry Ice Blasting machine is ideally suited for wide applications in automobiles, electric power, rubber, plastic, chemical, printing, food, pharmaceutical, casting, ship, and aviation.
- * [Two Years Warranty, Lifetime Maintenance]: For damage caused by non-human factors, we promise to resend parts for free within 2 years.

DRY ICE BLASTING MACHINE

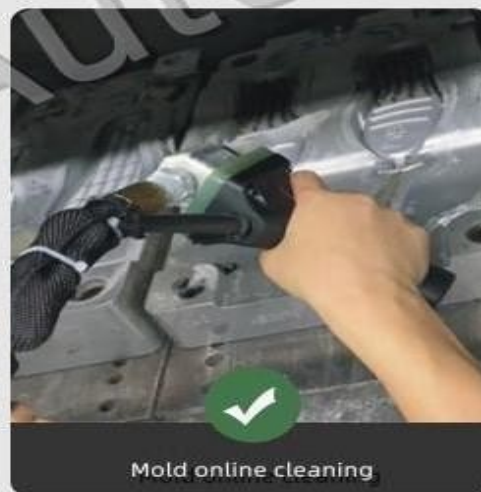
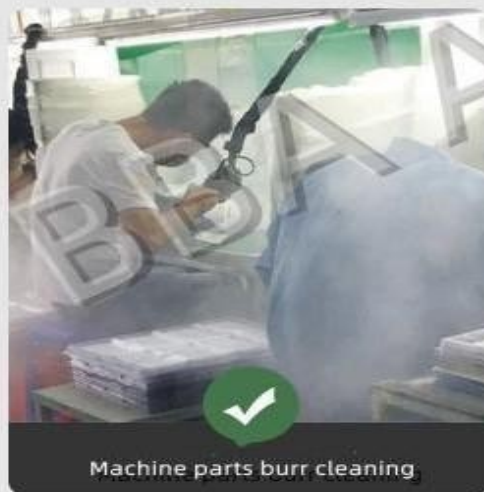
Model: 06 Pellet Dry Ice Machine



FeaturessameasModel-04

Applications of Dry Ice Blasting Machine

Dry Ice Blasting Machine is widely used in PCB circuit board, automobiles, electric power, rubber, plastic, chemical, printing, food, pharmaceutical, casting, ship, and aviation.



Specifications for Dry Ice Blasting Machine

Model	04	-06
Voltage	AC110/220V 50/60HZ	
Power	0.25KW	
Dryiceflow	0~1.0KG/min	
Airpressure	0.2~0.6Mpa	
Applicabledryice	blockice140*125*250mm	Pelletice2*3mm
Hoppercapacity	5Kg	8KG
Icepipe	GTL1/2specialforlowtemperaturedryice	
ProtectionDegree	IP55	
Weight	50KG	45kG
ExternalMachineSize (L*W*H)	560*360*500mm	500*350*730mm

FUME EXTRACTOR

Model: 300 Single & Double station

Main features:

1.Appearance and construction:

- a) Generous concise appearance, stable and elegant. Integrative structure design: metal frames structures; high quality cold-rolled steel plate electrostatic spraying process. With concave handle on both sides: comfortable and easy to move.
- b) Unique curve design of the flanges, rigid structure of the chassis.

2.Wind turbines:

- a) Brushless DC motor, built-in controller. Stable, low noise, high efficiency, low energy, long working time. No regular maintenance and lower cost.
- b) Eddy current backward design, special alloy material, prevent wind wheels from corrosion effectively. High air volume, faster filtration rate.

3.Filtration system:

- a) With triple design. Filter step by step, ensure that harmful smoke is filtered more thoroughly Purifying rate can reach 99.97%.
- b) Modular design, layers of protection. Primary, medium, high efficiency filter can be changed separately. Higher filtering efficiency with internal unique sealing structure inside special sealing material that harmful gas can pass filtration system.
- c) Built-in circulating air filter type, avoid the indoor cool air and heater discharge to outdoor and will not destroy the temperature and humidity of the operating area.

4.Smoking device:

- a) With universal smoking arm, easy to change. The end is installed with a new type of machine smoke hood and unique shape.
- b) Easy for installation, convenient to use.no additional pipe.



Single Station Double Station

AUTOMATIC RIVETING MACHINE

Model:FX-LD-320

Main features:

Automatic rivet machine is an automated version of the automatic rivet gun. It relies on the machine to automatically arrange and separate the rivets, and uses compressed air as power to automatically transport the rivets to the nozzle of the rivet gun through pipes. BBA automatic riveting machine can upgrade the arduous manual rivet pulling operation that relies heavily on skilled workers to automated or unmanned operation, which is a major scientific and technological progress in the rivet pulling industry!

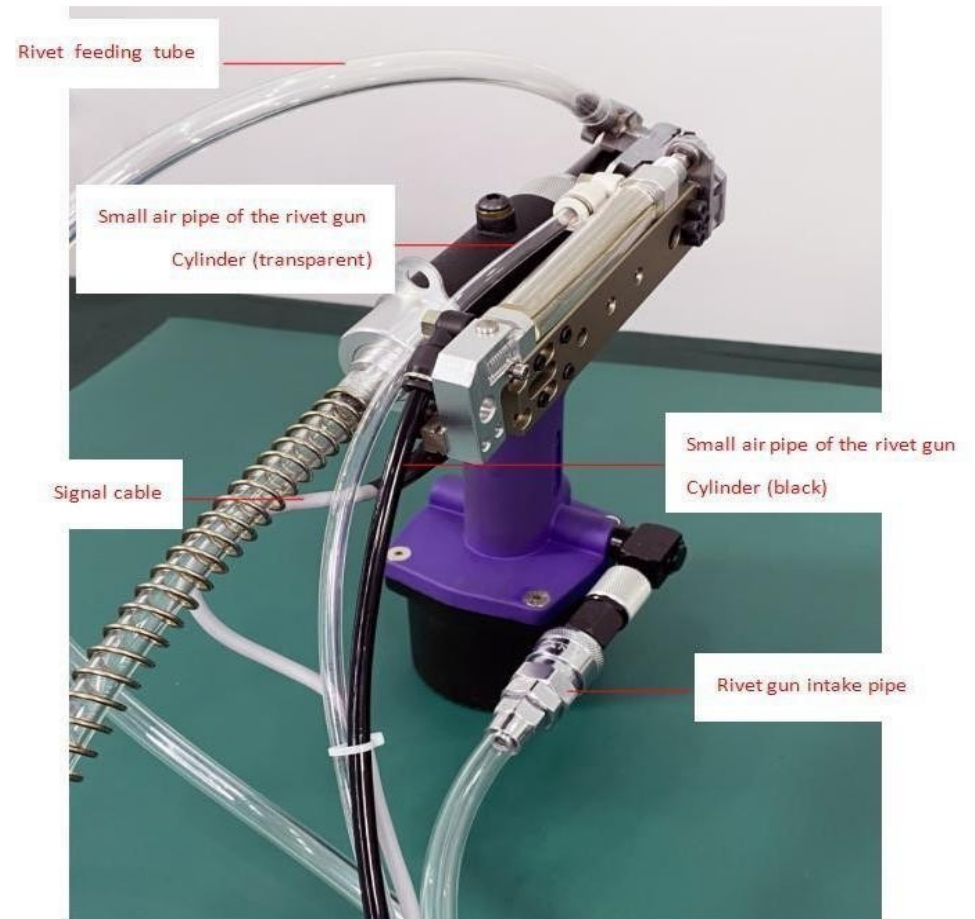
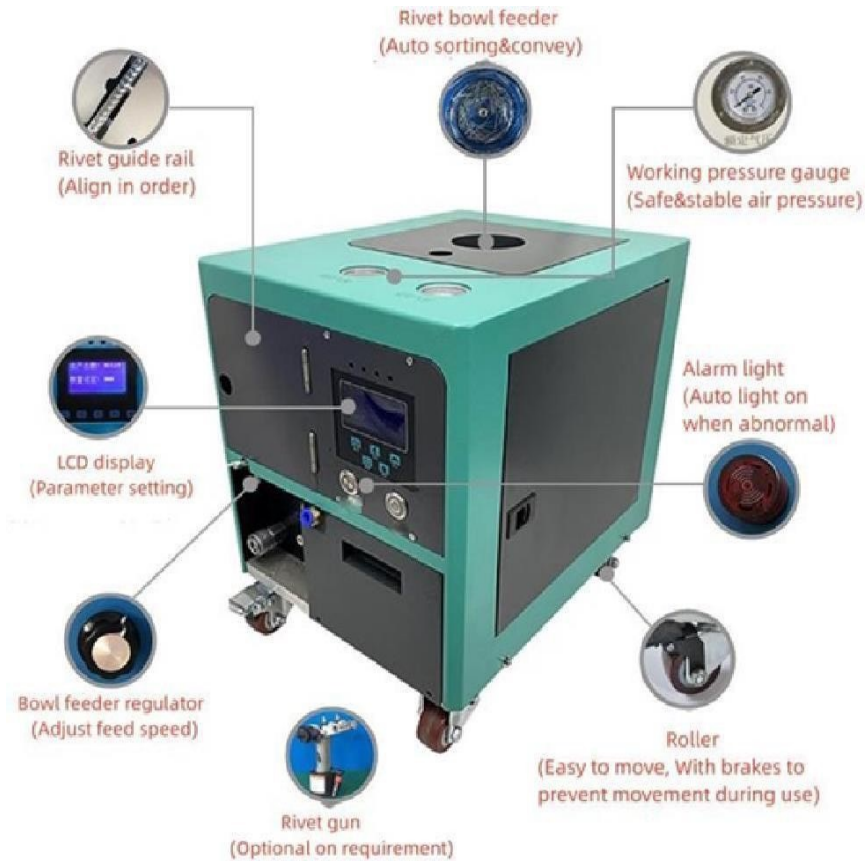
Advantages:

1. Pull nails are automatically arranged and fed.
2. LCD screen, intelligent counting, prevention of missing nails, parameter setting, alarm function.
3. It is easy to learn and take the post immediately.
4. The machine is extremely stable, so there is no need to worry about jamming and neutral.
5. Strong versatility, hand-held nail pulling gun, flexible operation, and applicable to work at random points.
6. It is not necessary to take the rivet manually, and the rivet is automatically fed to the gun nozzle; It frees the left hand and can move and hold the product flexibly.
7. It is fast and convenient to move without carrying. With brake to prevent movement during use.



AUTOMATIC RIVETING MACHINE

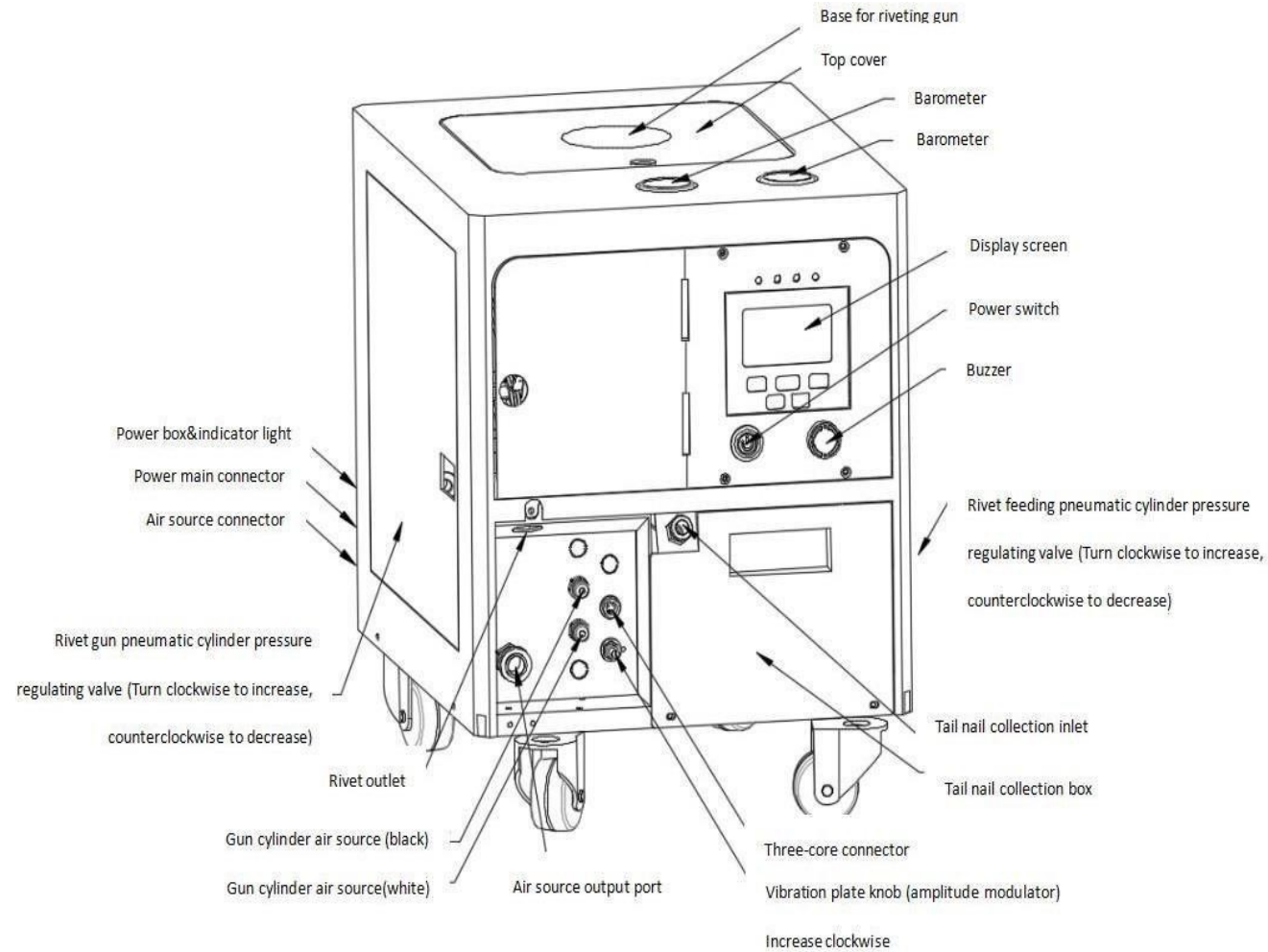
Model:FX-LD-320



Rivet Gun

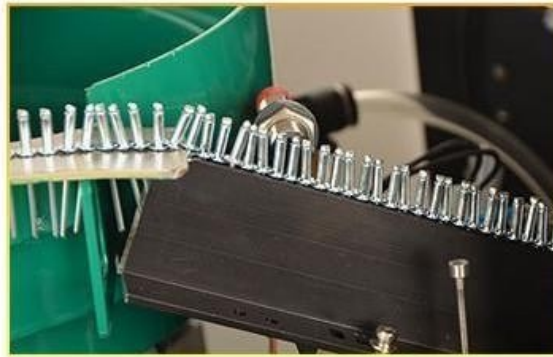
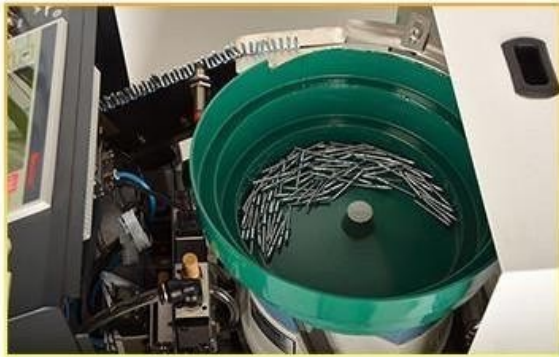
AUTOMATIC RIVETING MACHINE

Model:FX-LD-320

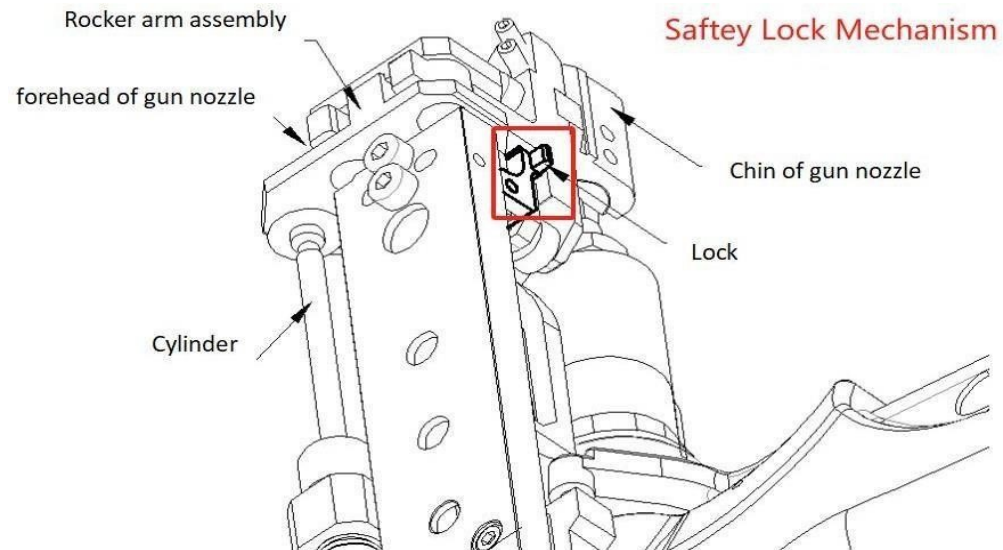


AUTOMATIC RIVETING MACHINE

Model:FX-LD-320



Internal Vibratory bowl feeder



Safety Lock Mechanism

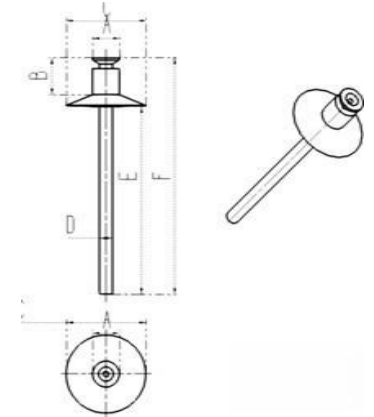
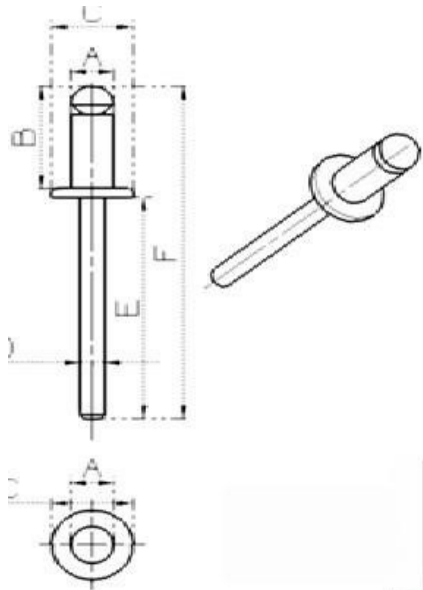
AUTOMATIC RIVETING MACHINE

Model: FX-LD-320

Applicable rivet unit: mm)		
Name Code	Min size	Max size
Rivet diameter A	2.4	4.8
Rivet top length B	2.0	15.0
Brim diameter C	4.0	9.5
Bottom diameter D	1.4	3.0
Bottom length E	24.0	36.0
Rivet total length F	28.0	48.0

Note:

1. Rivet dimension need meet this size range.
2. For some special rivet: when rivet top length > 13mm, the bottom length should be > 28mm , when rivet top length = 17mm, the bottom length shoule be > 26mm.
3. Rivet type requirements: Stainless steel rivets require low purity, while others like iron and steel rivets have no requirements.



Specifications for Automatic Riveting Machine

Model	FX-LD-320
Rivet Gun	Optional (based on rivet size)
Input Volatge	110/22V
Working air pressure	1-3kgf/cm ²
Riveting conveyor speed	70pcs/Min
Rivet feeding speed	1.2-1.5S/pcs
Feeder capacity	3000~5000pcs
Rated power	350W
Tube length	2.5M
Dimension	440*350*420mm
Weight	45KG