



Company introduction

BBA Automation is a professional automation equipment service provider, we are specialize in R&D, manufacturing industrial automation machines, our aim is quality first, reputation first, customer first, service first.

Service Commitment

Pre-sale service: Via rich experience in automation equipment, we will fully analyze the actual needs from customers to recommend and design the best equipment with high reliability and applicability

In-sales service: We will provide technical advisory service of display system for users, and provide a complete set of evaluation opinions and technical suggestions on parameters, specs, equipment configuration, environmental factors and other aspects of the machine

After-sales service: A quick reply within 24 hours after received the user's maintenance request, also a technical on-site service will be provided per user's request





Work environment

Office and workshop



Package and shipment



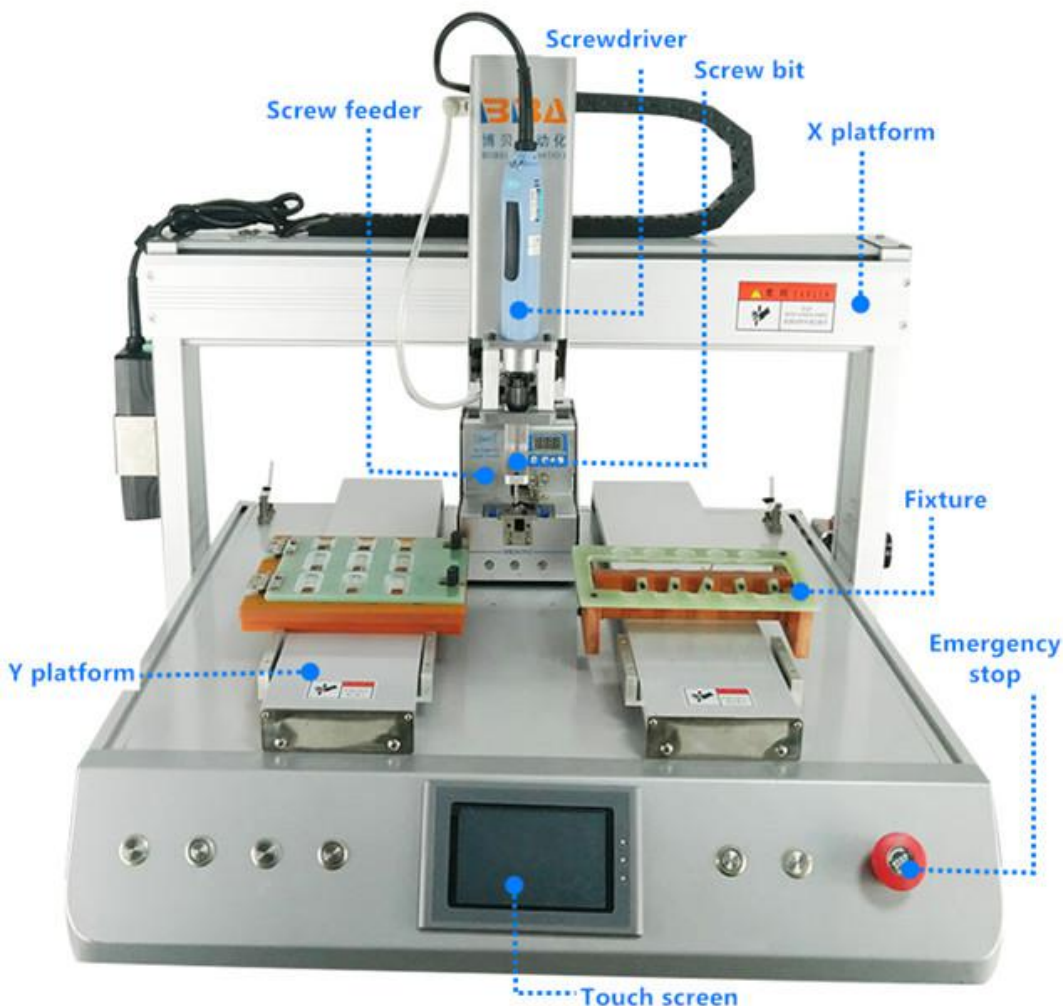
Automatic assembly machine

Screw Fastening solution



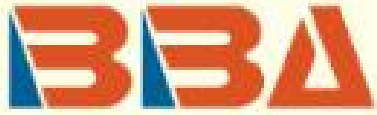
Automatic screw locking machine

**Model: BBA-5441LS
with double platform**



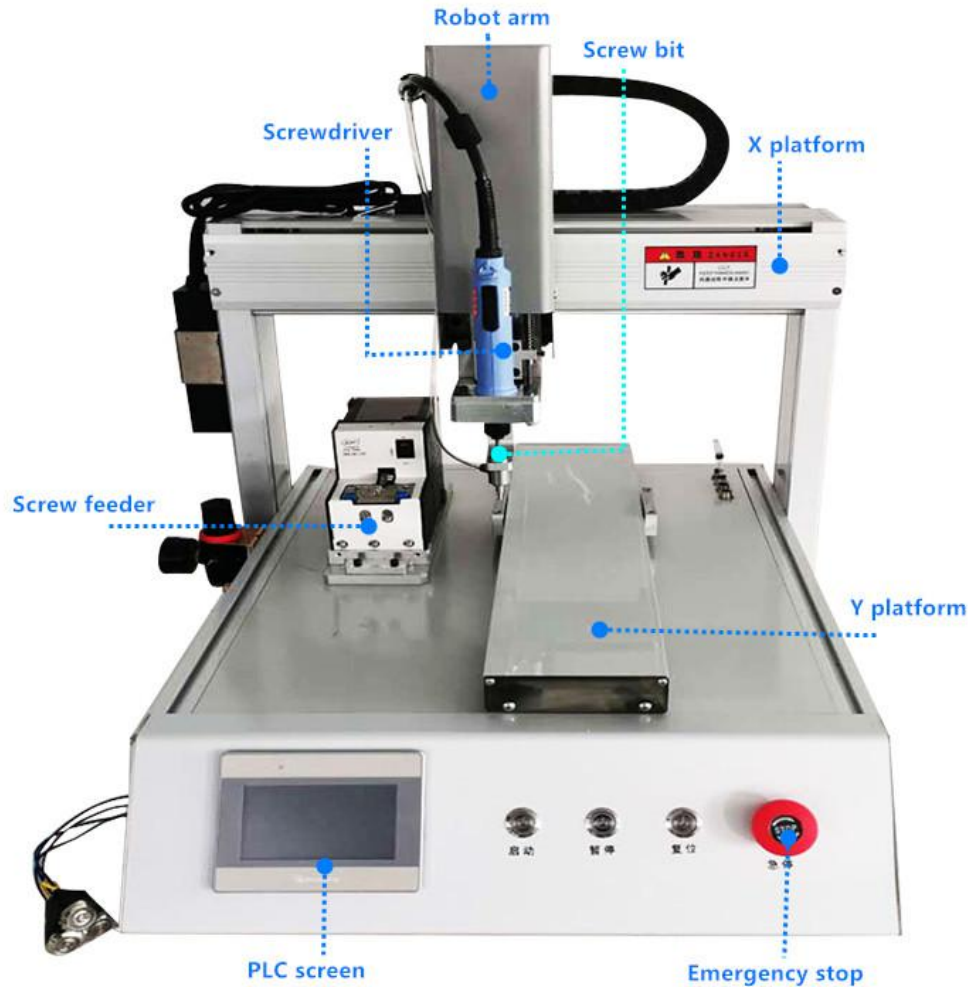
Main features

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 1.2 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.
9. Machine size 800mm*850mm*800mm(L*W*H)



Automatic screw locking machine

Model: BBA-331LS
with single platform



Main features

Only difference between with BBA-5441LS:
BBA-331LS: only one Y platform
BBA-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 mobile phones.
- Easy adaptability for M1-M5, just by changing screw guider (Customization available).
- It is easy to learn the operation. One operator can operate several machines at the same time.
- It improves the production efficiency and reduces the labor cost.
- Machine size 700mm*550mm*750mm(L*W*H)

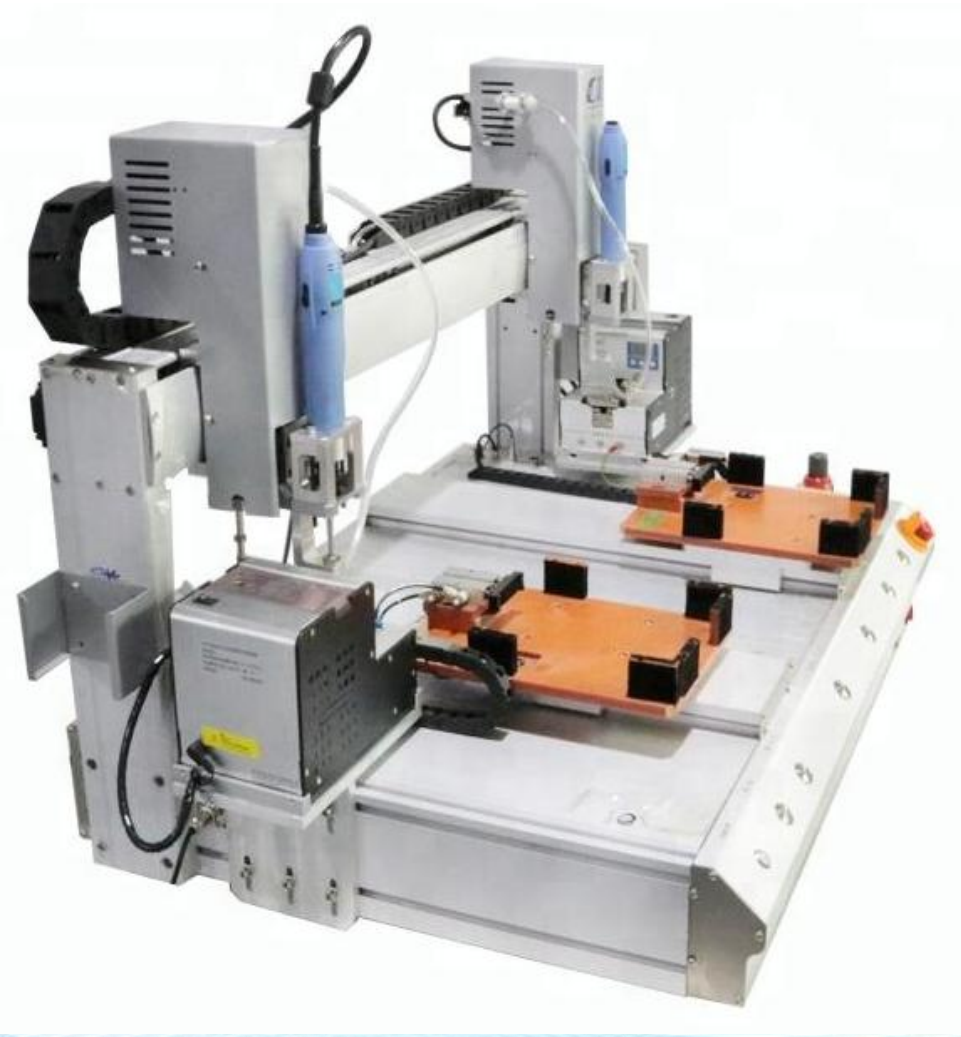


Automatic screw locking machine

**Model: BBA- 6441LS
with double screwing system**

Main features

- 1) Can tighten two different type of screws at the same time, double-headed screw locking, double efficiency
- 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. The maximum locking speed is 1.2 seconds per screw, 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
- 9) Machine size 750mm*950mm*850mm(L*W*H)





Automatic screw locking machine

**Model: BBA- 8441LS
with double machine**



Main features

1) Can tighten two different type 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. The maximum locking speed is 1.2 seconds per screw, 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

9) Machine size 950mm*750mm*850mm (L*W*H)



Detail parts

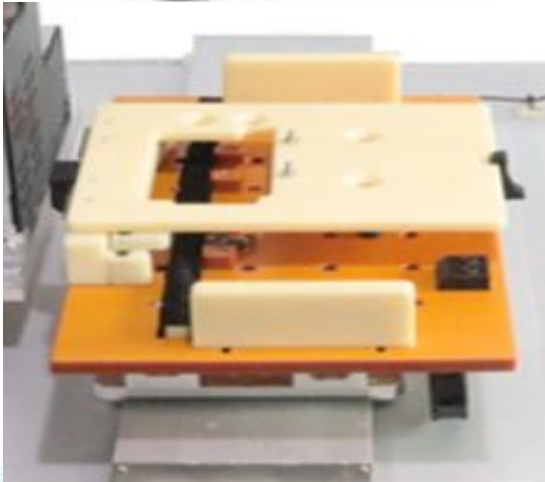
Teach pendant



Screw feeder



Fixture
(customize
per product)



Screw driver





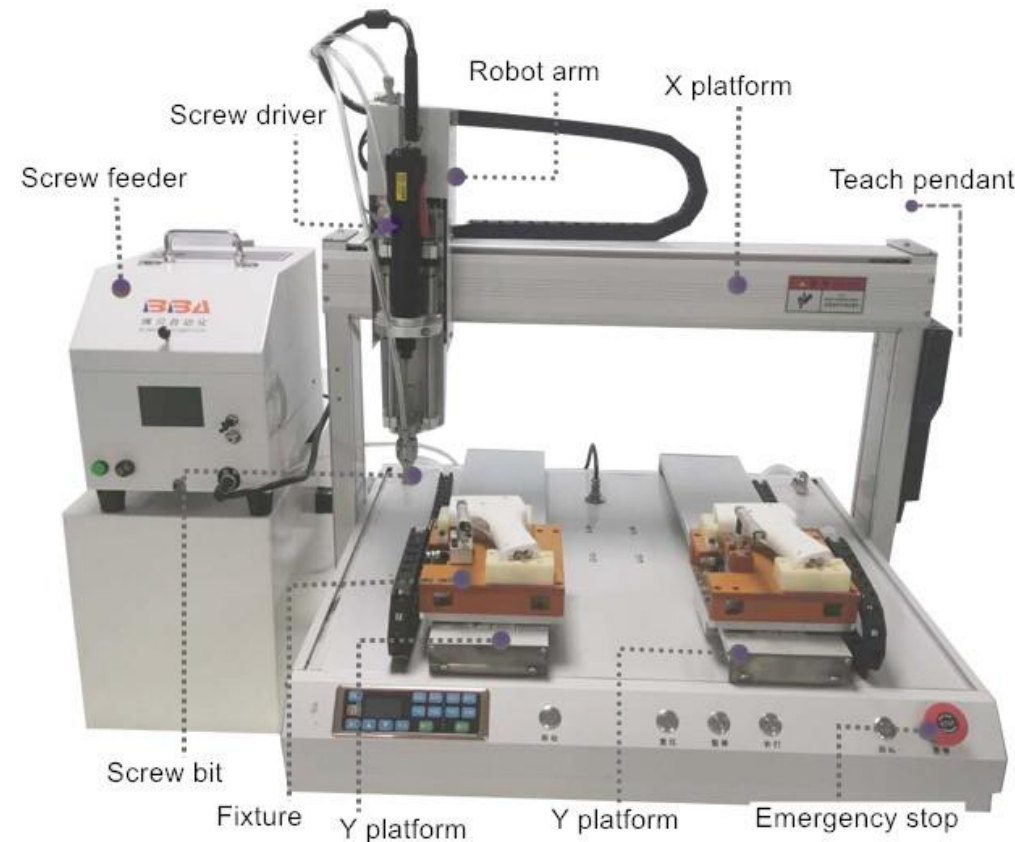
Automatic screw locking machine

Model: BBA-5441LS

with blowing type feeder

Main features

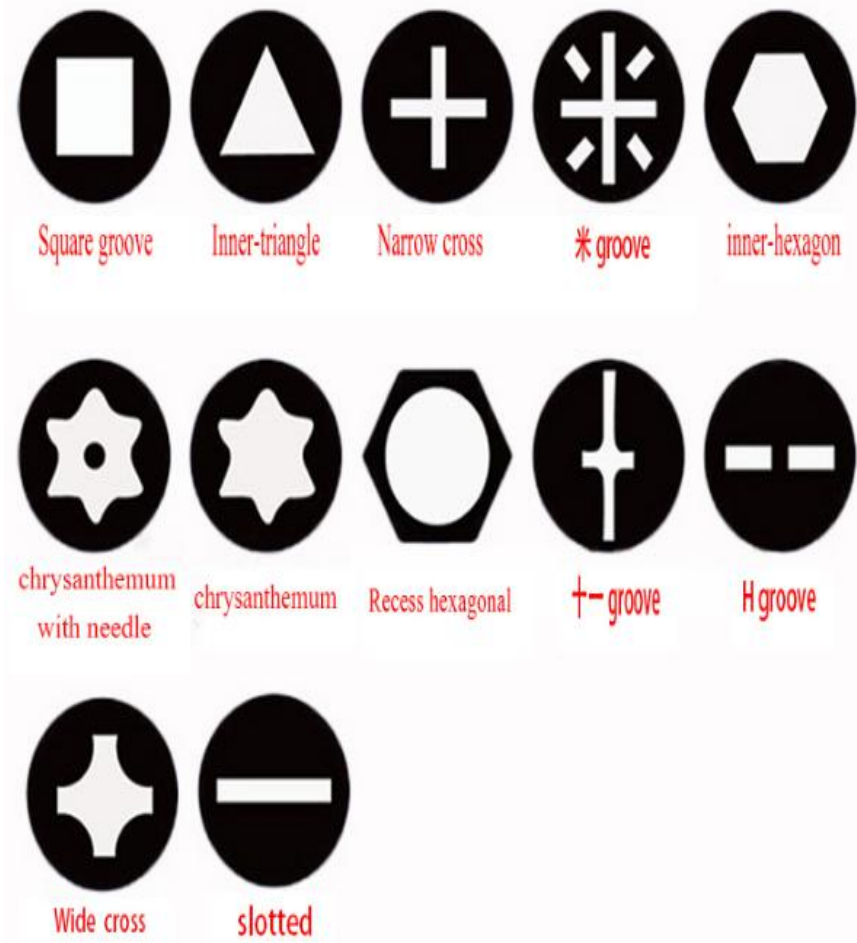
1. Double Y-axis blowing type automatic screw locking machine uses four-axis controller, which is easy to operate and stable.
2. Y1 and Y2 platforms work in turn, and no shutdown is needed when clamping products, which greatly improves production efficiency.
3. Configuration of multi-channel sensors 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.
9. Machine size 800mm*850mm*800mm(L*W*H)



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





Specification for Automatic Screw Locking Machine

Model	BBA – 331 /5441 /8441LS
X / Y/ Z (mm) Working platform	4500*400*400*100 (X*Y*Z), can be customized
Maximum speed of locking screw	1.2 seconds per screw
Positioning precision (mm/sec)	±0.02
Memory capacity	100groups,400points/group (Support USB copy)
Display mode	Teaching box LCD(320*240)
Motor system	Micro-step precision motor
Transmission mode	Synchronous belt ,screw rod, precision linear
Power supply	220V 50HZ
Working power supply	0.4 - 0.6 Mpa
Suitable for screw type	M1 - M8
Screw pick mode	Vaccum suction,Blowing type
Weight	65KG

Honor customer





Certificate



Verification of Compliance

Certificate Number: B-S210134341

Machinery Directive 2006/42/EC

Low Voltage Directive 2014/35/EU

Holder.....: Dongguan City Bobang Intelligent Technology Co.,Ltd

Address.....: Room 602, building 3, No.9, Yixiang, Hengkeng East three road, Liaobu Town, Dongguan City, Guangdong Province

Manufacturer.....: Same As Holder

Product.....: Automatic screw locking machine

Model No.....: BBA-5441LS, BBA-331LS, BBA-6441LS, BBA-8441LS

Technical Data....: 120-240V~, 50/60Hz, 350-700W

The submitted products have been tested by us with the following standard(s) and found to be in compliance with the listed European Directives.

EN ISO 12100:2010
EN 60204-1:2018

The test results apply only to the particular sample tested and to the specific tests carried out. Technical Report and documentation are at the Holder's disposal.

This certificate applies specifically to the sample investigated in our test reference number only. The CE markings as shown below can be affixed on the product after preparation of necessary technical documentation. Other relevant Directives have to be observed.



Signature

Certification Manager
Date: Dec.23,2020



Company No.07113834



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