

# Company introduction

**BBA Automation Technology Co., Ltd.** is a professional automation equipment service provider, mainly develops industrial automatic equipments and various fixtures, 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 soldering machine

Model: BBA-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.

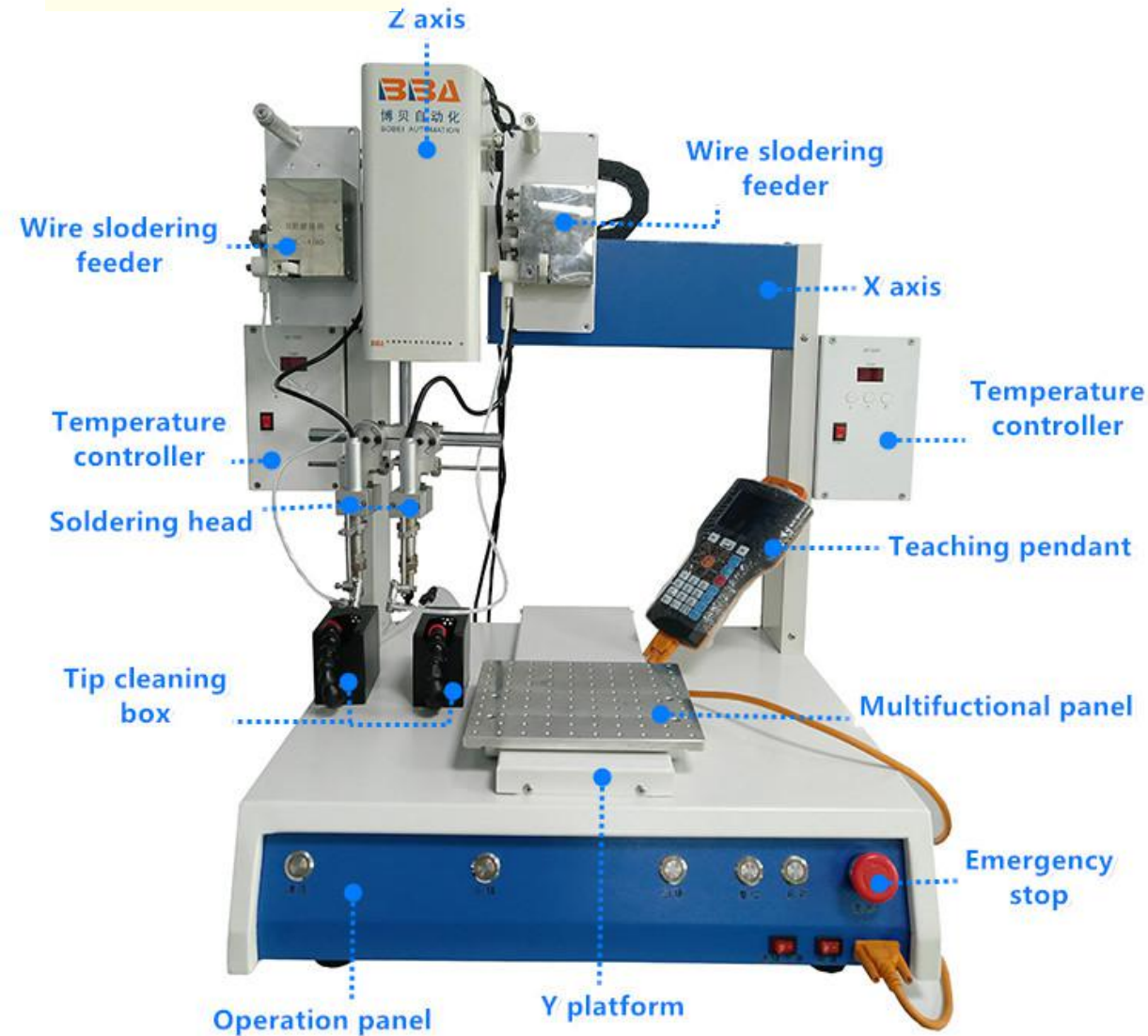


# Automatic soldering machine

Model: BBA-331HX  
with double head

## Main features

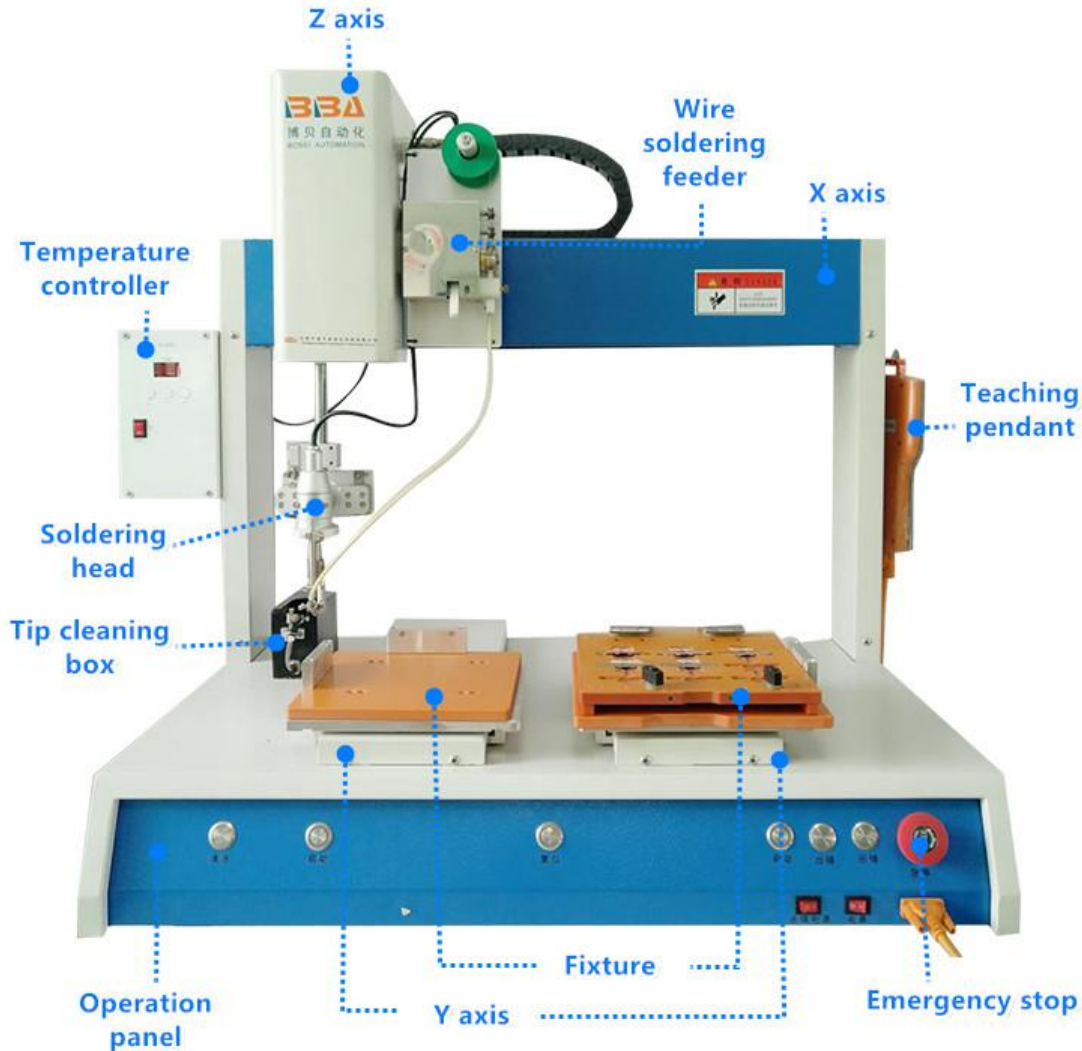
1. Customized double tin feeding head according to customer products to provide the best solution for soldering job on lead-free, heat dissipating PCB, and high thermal capacity components.
2. Other features same as soldering machine with single head





# Automatic soldering machine

Model: BBA-5331HX



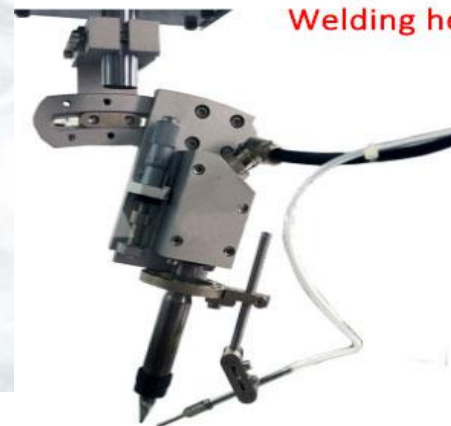
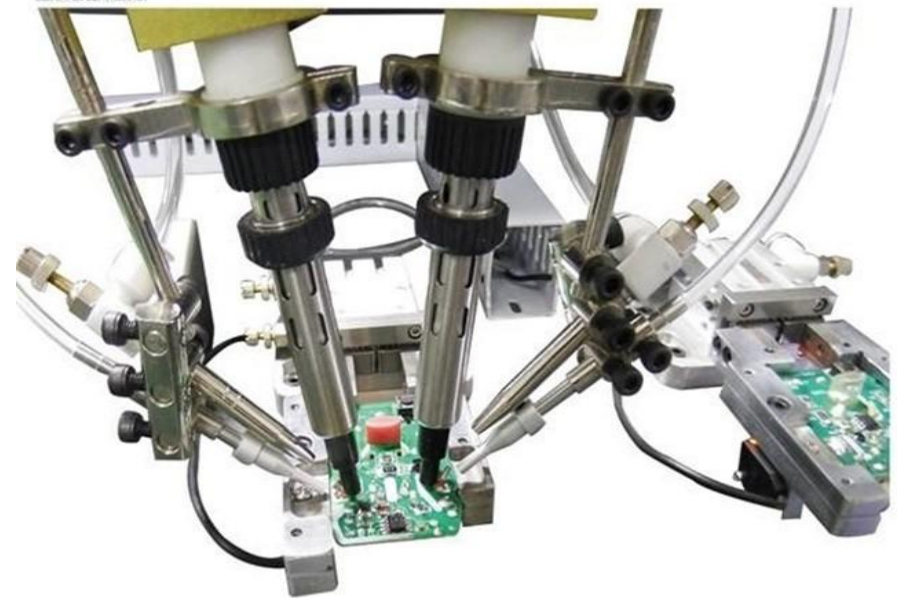
## Main features

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 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.



# I. Detail parts

## Soldering on products



Welding head



Teach pendant

equipment.

## II. Detail parts



Clean box



Solder feeder



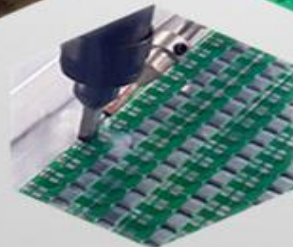
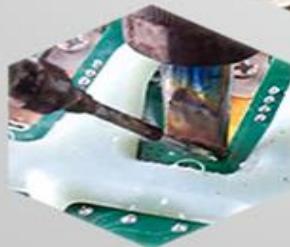
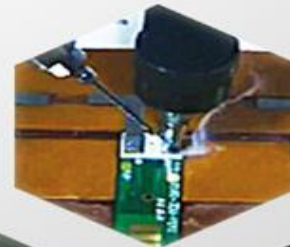
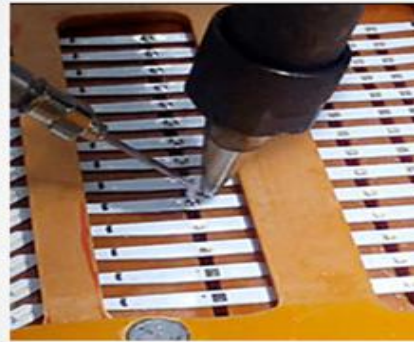
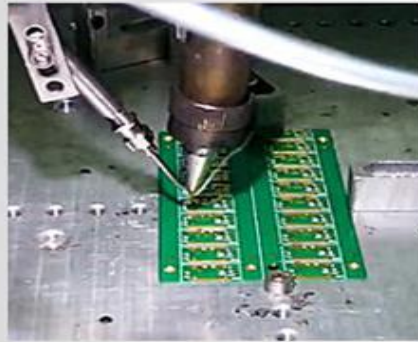
Solder iron



Temp. control system



# Application of soldering machine







# Specification for Automatic Soldering Machine

Model	BBA – 331/ 5331 HX
Working platform (optional)	400*400*100 mm（can be customized）
Drive mode	Stepping motor
Axis number	5 axis
Positioning precision	±0.02
Power supply	220V 50HZ
Air source	0.4-0.8Mpa
Applicable tin wire	0.6/0.8mm (the specifications can be customized)
Temperature of iron head	Up to 450℃
Feeding	Tin feeding system
Feeding Speed	0-50mm/s
Alarms	Tin broken,Tin blocked,Heater alarm
Weight	60kg



# Certificate



## Certificate of Conformity

Certificate Number: B-S200429023  
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 soldering machine  
Model No.....: BBA-331HX, BBA-5331HX  
Technical Data.....: 120-240V~, 50/60Hz, 2A, 240-480W

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.



  
Certification Manager  
Date: Apr. 21, 2020

