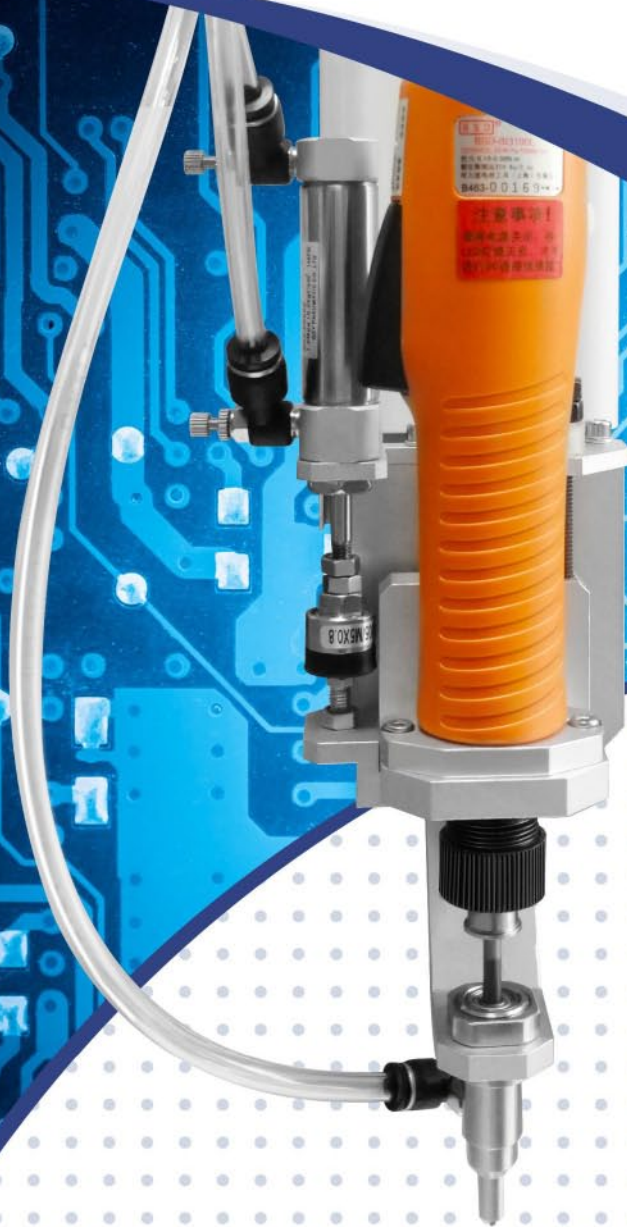




fancort industries, inc. TM



Soldering Robot
Screw Fastening Robot
Glue Dispensing Robot

Screw Fastening Robot

fancort industries, inc.® Screw Fastening Robots

Screw Fastening Robot greatly improves the work efficiency and the screw fastening consistency & reliability. With the advanced Teaching Pendant, operators can set up by themselves all the process parameters such as the screw coordinate and screw types, etc. It can adapt to all sorts of difficult screw fastening process and achieve the complete automation.

FEATURES:

- ▶ The stepper motor drive and the advanced motion control algorithm for the five-axis effectively improve the positioning accuracy and repeat precision.
- ▶ Smart detection function: when a screw is missing or the screw does not fill in place, the machine will give an alarm.
- ▶ It guarantees the high precision of screw fastening which cannot be achieved by the traditional manual screw fastening. Besides, it improves the production efficiency and reduces the labor cost.
- ▶ Suitable for most of the screws, especially the stainless steel screws.
- ▶ It is easy to learn the operation. One operator can operate several machines at the same time.
- ▶ The rail of the screw feeder is adjustable. (Applicable screws: M1.5 – M5.0)

Applications:

It is suitable for all kinds of screw fastening process on mobile phones, keyboards, monitors, car accessories, toys, small home electrical appliances, integrated circuits, printed circuit boards, LCD screen, electronic components (such as relays, speakers), etc.

Basic Configuration:





Picture 1

Teaching Pendant



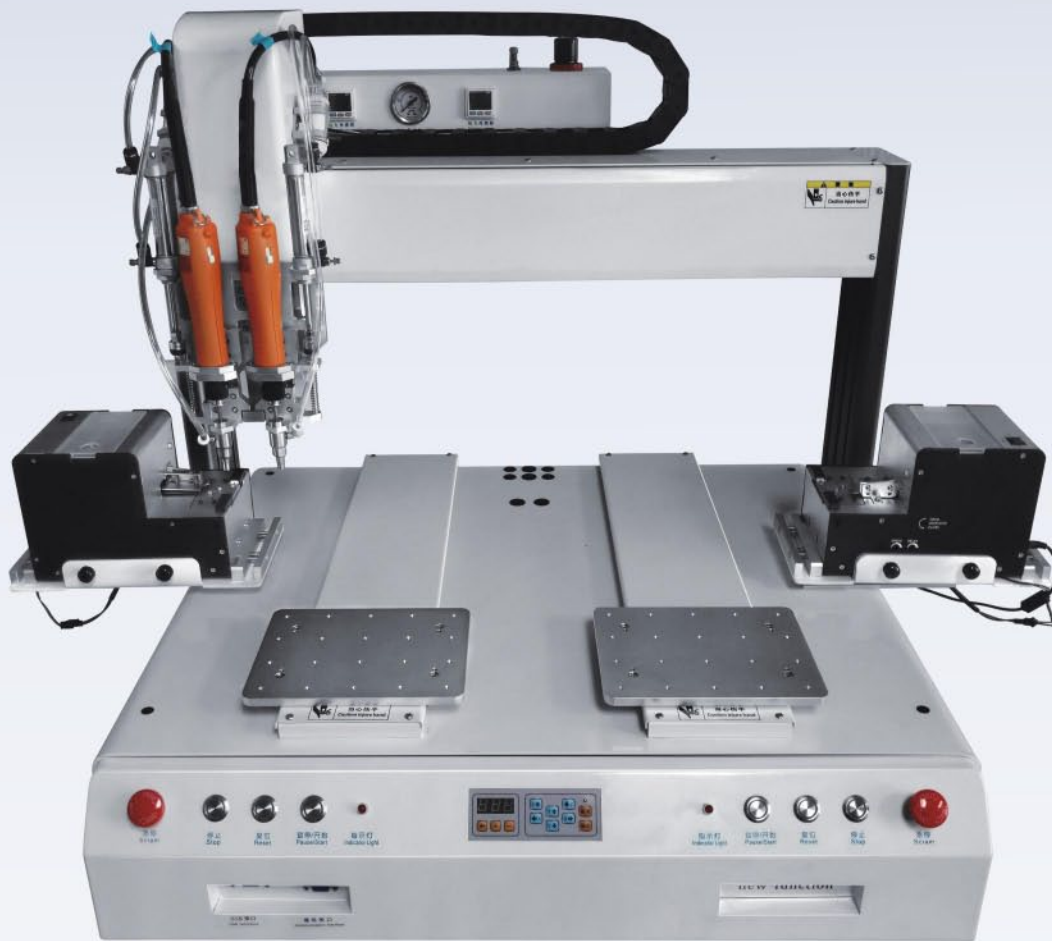
Picture 2

Optional Combinations:

- A. One screw feeder, One screwdriver. (Picture 1)
- B. Two screw feeders, One screwdriver.
- C. Two screw feeders, Two screwdrivers.
- D. Two screw feeders, One screwdriver, Two clamping devices. (Picture 2)
(This is specially designed to fasten screws for cellphones and small tablets)

Note: You can choose different screw feeder and screwdriver combination to meet different requirements.

Model	LS-300YY
Voltage	110V / 220V AC
Drive Mode	4-Axis precision step motor
Operating Range	500mm x 300mm x 80mm (X * Y * Z)
Movement Speed	X * Y Axis: 0.1~800mm/sec, Z Axis: 0.1~400mm/sec
Repeatability Accuracy	±0.02mm (X * Y * Z)
Minimum Analysis	0.01mm (X * Y * Z)
Maximum Load Weight	8kgs (for work platform)
Program Capacity	Max.255 Programs
Operating Temperature	10°C ~ 40°C
Operating Humidity	20 ~ 90%
External Dimensions	760 x 620 x 710mm
Weight	about 91kgs



LS-400YGD2

Model	LS-400YGD2
Voltage	110V / 220V AC
Drive Mode	5-Axis precision step motor
Operating Range	500mm x 400mm x 100mm (X * Y * Z)
Movement Speed	X * Y Axis: 0.1~800mm/sec, Z Axis: 0.1~400mm/sec
Repeatability Accuracy	±0.02mm (X * Y * Z)
Minimum Analysis	0.01mm (X * Y * Z)
Maximum Load Weight	8kgs (for work platform)
Program Capacity	Max.255 Programs
Operating Temperature	10°C ~ 40°C
Operating Humidity	20 ~ 90%
External Dimensions	1180 x 740 x 760mm
Weight	about 107kgs