4 axis soldering robot | model HS-S331r

Perfect when reflow & wave soldering is not suitable

Widely used for

- Wires, charger plugs and connector plugs.

- Perfect to protect PCB and sensitive components.

- DC terminals, LED strip, etc.

HSTECH

CORE-EMT

HS-S331r Soldering robot

This soldering robot have a single soldering head with X/Y/Z axis and R (rotation) axis is used in the electronics manufacturing companies to make soldering that is not suitable for reflow soldering and wave soldering.

Specifications

- Model: HS-S331r
- R axis: 360-degree rotation
- X/Y/Z axis working:
  - range: 300 x 300 x 100 mm
  - speed: max 300 mm/s

- Repeat accuracy: ± 0.02 mm
- Temperature range: 0 - 550 C°

- Soldering method: Point / drag soldering
- Iron Tin cleaning: Air cleaning / pneumatic

- Driven system: Stepper motor and timing belt
- Linear guide: Taiwan brand high precision guide rail
- Control system: Control board

- Voltage: AC110V / 220V, 50 / 60Hz
- Working temperature: 5 - 40 C°
- Working humidity: 20 - 90 % RH

- Machine dimension: 520 x 585 x 800 mm
- Weight: 48 kg

HS-S331r soldering robot features

- 4 axis (X/Y/Z + R rotation) soldering robot for flexible spot and drag soldering, that is multi-directionally adjustable to protect PCB and sensitive components.

- The soldering iron is safe to work with and works without nitrogen.

- The handheld LCD teaching display makes programming simple and easy to learn.

- High precision guide rail with stepper motor and timing belt driven system, advanced motion control algorithms is used to effectively improve motion positioning, accuracy and repeatability.

- Automatic cleaning function, which can make the soldering process more stable and extend the lifespan of the soldering tip.

- When programming you can perform point-to-point and point-to-block copying to shorten the programming time.

Soldering Iron

Temperature controller

Handheld LCD display

AirTAC Pneumatic valve

About programming

- Program storage: 1.000 programs and a single program can occupy up to 3 MB storage space (max 5.000 soldering points in a program)
- File storage space: Handheld display 256 MB (max of 100.000 soldering points in total)
- Programming: Manual teaching with handheld LCD display
- Document support: CAD + CorelDRAW
- External interface: USB + RS232