

Flux Dispensing System TI-331



Overview

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TI-331 is a high power, close loop control, gantry style dispensing robot with working areas up to 300mm x 300mm.

It utilizes Micro Stepper and belt transmission to ensure high accuracy, high repeatability, rapid and quiet movement.

Embedded XP software with color touch panel LCD display makes programming/teaching easy and fast.

TI-331 is competitively priced for bench applications that require XYZ movement above the work, such as flux dispensing, soldering, drilling and board cutting etc.

Applications

- Semiconductor packaging
- Fixing and protection of PCB electronic components
- Packaging adhesion of LCD glass panel
- Coating of panel of the mobile phone or dispensing of the key
- Speaker dispensing
- Dispensing seal of battery boxes
- Coating of parts of vehicles and machines
- Coating adhesion of hardware parts
- Chip bonding

Key Features and Benefits

- Dots, lines, arcs/circles, point to point (PTP) and continuous path (CP) with interpolation
- Multiple data input methods – manual input, teaching or Autocad file download
- (optional)
- 99 programs input. System control by Micro P.
- 10 micron movement resolution, high precision
- Close loop process control, highly reliable
- Rapid movement – programmable up to 800mm/s for XY, 320mm/s for Z
- User friendly hand held sole input
- Solid state storage eliminating hard disk failure
- Fast data transfer through USB 2.0 port
- Extra IO lines for automation control
- Optional 4th axis and camera interface
- User pre-set password
- Low cost

Specifications*

Working Range X/Y/Z(mm)	300x300x100
Load Y-AXIS/Z-AXIS	10kg/5kg
Moving rate X&Y/Z (mm/sec)	0.1~800/250
Resolution	0.01mm/Axis
Repetitive positioning Accuracy	+/-0.01mm/Axis
Program Display	Teach pendant LCD
Motor System	Micro-step precision motor
Driving Method	Timing belt+ precision beeline Guides
Interpolation Function	3 axis(any route in the 3D space)
Programming Method	Teach pendant
I/O Signals Port	8 Inputs/8 outputs
External Interface	USB
Power Supply	AC220V 50/60HZ
Working Temperature	10-40°C
Working Relative Humidity	20-90% no condensation
Dimensions (W×D×H)	480x490x680mm
Robot Weight(kg)	67KG

** Specifications are subjected to change without prior notice*

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We are looking forward to your challenge!

pb tec solutions GmbH
Max-Planck-Straße 11

63755 Alzenau (Germany)

T.: +49 6023-94771-0
F.: +49 6023-94771-29

info@pbtecsolutions.de - www.pbtecsolutions.de