



Equipment Solutions

H.B. FULLER'S EQUIPMENT SOLUTIONS INCLUDE easy installation of automatic control components for multi-purpose production equipment. The machine temperature controller and I / O PORT allow the installation of automatic control components, such as a cylinder, gripper, vacuum nozzle, etc. in order to meet the needs of different types of production processes.

This equipment features customized design and production to provide you with the most professional service, depending on your process design, such as clip fixture design CCD image detection, the amount of dispensing, issues warning special dispensing path program development. The equipment is compatible with all types of materials, including hot melt adhesive, UV glue, epoxy, red plastic, silver glue, two-component, COB black, conductive adhesive, cooling aluminum paste, and instant glue.

OUR LINE OF EQUIPMENT SOLUTIONS IS DESIGNED WITH FEATURES THAT INCLUDE:

- Compatibility with any liquid
- Capability for fine-line dispensing (200um with needle type G27 and G28)
- Dual digital display with positive and negative pressure for easy reading and recording
- Vacuum suck-back feature to ensure good dispensing quality and prevent dripping
- "Teach" and "Save" modes
- Ability to dispense in Manual, Automatic, or Preset Mode
- Program Group Memory function
- Timer accuracy up to 0.01 second
- Input Power: 100 – 24
- Precise temperature control for accurate dispensing
- Uniform heat to achieve stable viscosity
- Unique heating design at the needle tip to prevent clogging

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Feature	Model: FE-200	Model: FE-300	Model: FE-400
Working Range X/Y/Z(mm)	200/200/50	300/300/100	400/400/100
Dimensions (WxDxH mm)	380 x 370 x 500	485 x 500 x 600	585 x 600 x 600
Robot Weight (kg)	23 kg	32 kg	40 kg
Load Y-AXIS / Z-AXIS	5 kg / 3 kg	10 kg / 5 kg	10 kg / 5 kg
X&Y / Z (mm/sec)	0.1-300/250	0.1-600/500	0.1-600/500
Resolution	0.001 mm/Axis	0.001 mm/Axis	0.001 mm/Axis
Repetitive Positioning Accuracy	+/- 0.01 mm/ Axis	+/- 0.01 mm/ Axis	+/- 0.01 mm/ Axis
Program Capacity	At least 100 groups with 4000 points	At least 100 groups with 4000 points	At least 100 groups with 4000 points
Data Storage Type	128 MB Embed Disk	128 MB Embed Disk	128 MB Embed Disk
Program Display	Teach Pendant LCD	Teach Pendant LCD	Teach Pendant LCD
Motor System	Precision Stepper Motor	Precision Stepper Motor	Precision Stepper Motor
Control Method	PTP & CP	PTP & CP	PTP & CP
Interpolation Function	3D Axis	3D Axis	3D Axis
Programming Method	Teach pad/PC	Teach pad/PC	Teach pad/PC
I/O Signals Port	8 Inputs / 8 Outputs	8 Inputs / 8 Outputs	8 Inputs / 8 Outputs
External Control Interface	RS232	RS232	RS232
Power Supply	RS232	RS232	RS232
Working Temperature	10 - 40 ° C	10 - 40 ° C	10 - 40 ° C
Working Relative Humidity	20 - 90% no condensation	20 - 90% no condensation	20 - 90% no condensation

FE-H30A Heating Sleeve Features

Capacity : 30mL

External Dimensions : (L)155 x (W)80 x (H)70mm

Weight: 0.85kg

Heater: Syringes: Heater AC220V; Needle tip: Heater

Temperature Sensor: Thermocouple (CA) 0 ~ 200°C

FE-010 Temperature Controller Features

Temperature Range: Room Temp to ~ +200°C

Applicable Syringes: 5mL, 10mL, 30mL, 50mL

Power Supply: AC220V (50/60Hz)

Power Consumption: Approx.10VA (controller only)

External Dimensions: Thermocouple (L)225 x (W)225 x (H)120mm (Body)

Weight: 3.3kg