

High-productivity, high-precision **THT bonding system**

MYSmart™ series MYC50E inline THT bonding system



MYC50E THT bonding platform

Protect your electronics

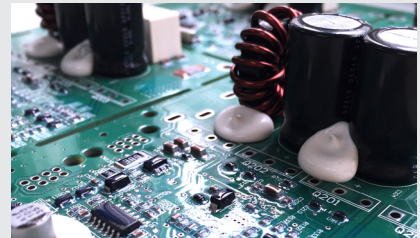
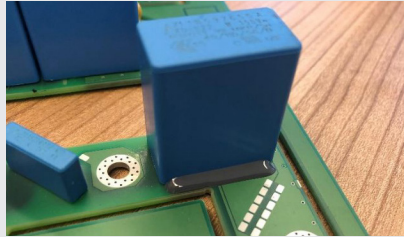
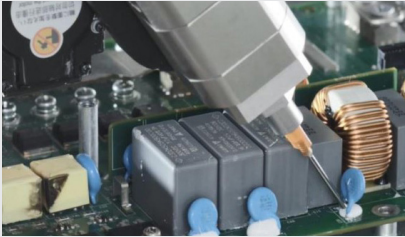
The MYSmart MYC50E is an industrial dispensing system expertly developed for THT bonding applications.

1. Fast and stable operation
2. Flexible multi-axis control for complex processes
3. Seamless integration of an external feeding system
4. Extended hood for neat hose routing with counterbalances
5. Coupling of a robust and versatile high-pressure valve
6. Micrometer precision fine adjustment
7. Needle correction module eliminates the effect of needle change on position degree
8. Precision electronic scale module to monitor and maintain process repeatability.



Bonding of THT components

THT components are typically tall components connected to a PCB by wires going through the board and soldered on the opposite side. These components are sensitive for mechanical stress. In order to better protect these components, one or two component materials can be dispensed between THT components, or in the collar of these components and the PCB board.



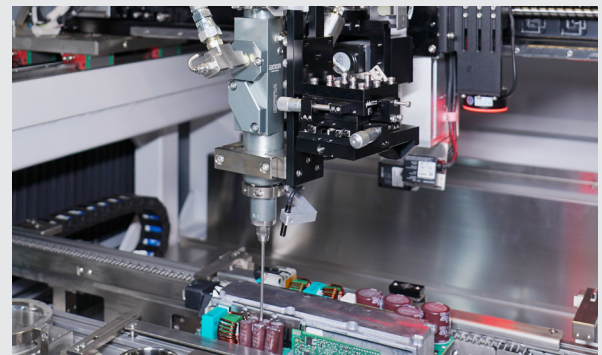
V-300HP High Pressure Valve



Characteristics

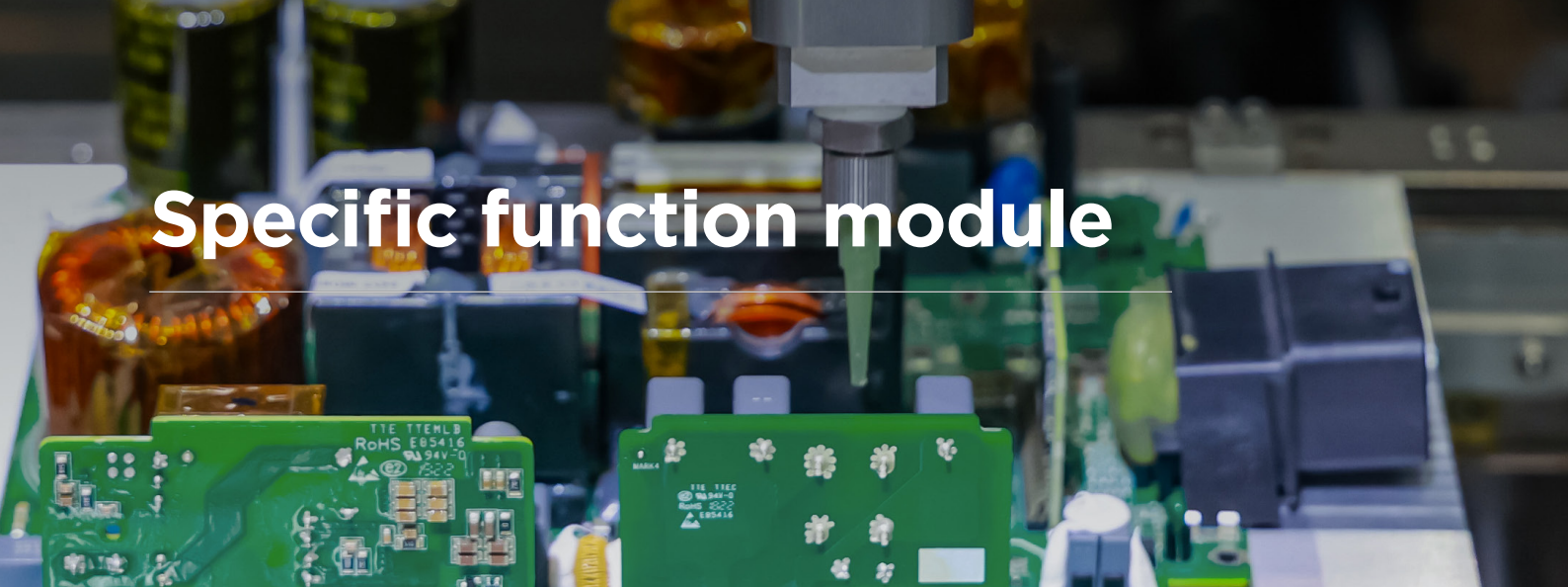
- Adjustable suckback, clean fluid break
- Adjustable amount of fluid at the beginning and the end
- Full stainless steel structure, robust and durable
- Dual air path design, quick opening and closing
- Easy disassembly and maintenance

1K Progressive Cavity Pump



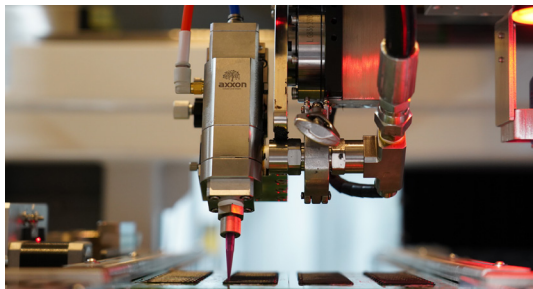
Characteristics

- Volumetric dispensing for the highest repeatability
- Volumetric reverse for a clean dispense and no drooling
- Flow rate is easily adjusted to meet process requirements
- Precision dosing control for uniform geometry of a continuous bead or area fill
- Sealed system does not drip, even with water under pressure

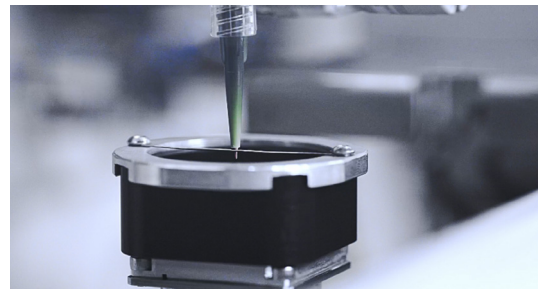


Specific function module

In or
proc



Tilt & rotate module



Electronic weight scale



Micrometer calibration

Specifications **MYC50E**

MOTION SYSTEM	
Z-axis repeatability	±25um@3σ
X-Y repeatability	±25um@3 σ
Z-axis positioning accuracy	±30um@3σ
XY-axis positioning accuracy	±50um@3σ
X-Y acceleration	0.8g
X-Y velocity	800mm/s
Z travel	100mm
Drive system	AC servo motor with precise ball screw
DISPENSING AREA(XxY)	
V-300HP single valve and single lane(XxY)	600x430/490x320(with tilt &rotate)
V-9000H single valve and single lane(XxY)	600x420/400x280(with tilt &rotate)
BOARD HANDLING	
Max. board/carrier length	650mm (1 station)/ 450 mm (2 stations)
Min. board/carrier length	50mm
Max. board/carrier width	500mm
Min. board/carrier width	50mm
Min board edge	3mm
Max. top clearance	100mm
Max. bottom clearance	100mm
Number of station	One station/Dual station(optional)
Number of conveyor	Single lane/Dual lane(optional)
Load capacity	5kg, 10kg(optional)
Operation modes	SMEMA
Standard conveyor type	Pin chain type
FACILITIES REQUIREMENTS	
System footprint MYC50E (WxDxH)	1,290x1,364x2,120mm (without light tower)
Air supply	80 psi (5.5 bar)
Power	AC220V, 2.5kW, 16A, 50/60 Hz
System weight	1,020Kg
Standards compliance	SMEMA; CE ; RoHS
CONTROL SYSTEM	
Type	IPC with monitor and keyboard
Operating system	Windows 10
Software	MYSmart dispenser software
VISION AND LIGHTING	
Camera resolution	1.3M pixels
STANDARD FEATURES	
Nozzle cleaning cup	Audible light alarm device
Conveyor edge clamping system	Low air pressure sensor for general air supply
Industrial computer and software and monitor	
OPTIONAL FEATURES	
Laser height sensor	Barcode reader
Electronic weight scale	Hand held barcode reader
Micrometer calibration module	THT inspection software(color camera)
Clamping wipe cleaning module	Needle calibration module
Seamless supply system	

Bringing tomorrow's electronics to life



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