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# TD SERIES

## DESKTOP DISPENSING SYSTEM

### Features & Benefits

- Desktop dispensing machine for large size products
- Minimum dispensing dot size: 0.5mm (0.02")
- Up to 15,000 dots per minute can be dispensed
- Maximum operating speed up to 600 mm/s
- Linear motors integrated with a cast frame provide proven stability during operation
- Dual valves configuration is available as an option

### Product Description

TD Series desktop dispensing system is applicable for underfill, LENS dispensing, FPC package, SMT red glue dispensing, solder paste dispensing, LED package, fingerprint identification module, etc. for SMT & PCB assembly, semiconductor package, electromechanical assembly and flat-panel-display assembly.

Two models are available with different X-Y travel dimensions & numbers of platform: the TD-300 model is 300 x 300 mm (11.81"  $\pm$  11.81") with single platform and the TD-250D model is 250 x 300 mm (9.84"  $\pm$  11.81") with dual platforms offering solutions including potting, sealing, gasketing, and structural adhesives.



TD-250D



TD-300

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Specifications:

System Specifications

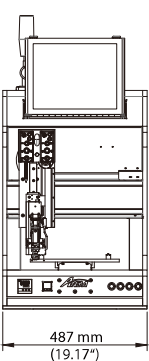
System Specifications		TD Series Desktop Type Dispensing System	
	TD-300	TD-250D	
Board Handling			
Application	Single platform	Dual platforms	
Standard Work Area	X 300 × Y 300 × Z 70 mm (X 11.81" × Y 11.81" × Z 2.95")	X <sub>1</sub> 250 × Y <sub>1</sub> 300 × Z 75 mm (X <sub>1</sub> 9.84" × Y <sub>1</sub> 11.81" × Z 2.95") X <sub>2</sub> 250 × Y <sub>2</sub> 300 × Z 75 mm (X <sub>2</sub> 9.84" × Y <sub>2</sub> 11.81" × Z 2.95")	
Maximum Components Height	± 30 mm (1.18") from PCB		
Acceleration	0.5 g		
Operation Height Level	950 ± 20 mm (37.40" ± 0.79")		
Fluid Volume	5 cc 10 cc 30 cc 50 cc available		
Fluid Level Sensor	Automatic monitor		
Intelligent Automatic Nozzle Cleaner	Non-contact vacuum nozzle cleaning		
Transmission system			
Motor	X-Y linear module and Z servo motor		
Maximum Speed	1000 mm/s		
Accuracy	± 0.02 mm (0.0007")		
Repeatability	< 0.01 mm (< 0.0004")		
Vision System			
Resolution	1296 x 966 px		
Pixel Size	3.75 x 3.75 μm		
Light Source	LED coaxial light source and ring light source		
Facility			
Standard Footprint	L 643 × W 487 × H 912 mm (L 25.31" × W 19.17" × H 35.90")	L 643 × W 747 × H 912 mm (L 25.31" × W 29.40" × H 35.90")	
Weight	80 kg	80 kg	
Motor Power	DC 24 V 69 W × 2		
Air Requirement	≥ 7 kgf/cm²		
Input Power	AC 220 V 50/60 Hz 10 A		
Total Power	2.2 KW		
Interface			
Controller	IPC and motion control card		
Software	Anda user interface software with Windows OS		
Programming	On-line vision programming		
Communications Protocol	SMEMA		

Standard Features

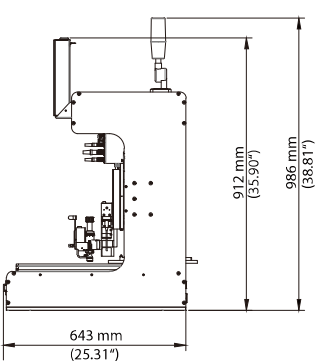
- Computer control, windows OS
- CCD visual positioning system
- Linear module and servo motor
- Inline CCD visual programming or gerber upload
- UPS and voltage stabilizer
- ESD grounding point
- CE certified

Optional Features

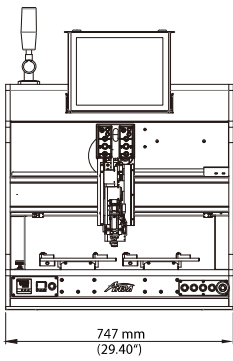
- Heated valves for viscosity control
- 35 degree tilt and 360 degree rotation
- PCB heater enhances material flow for underfill applications
- Precision weight measurement ensures accurate volumetric dispensing
- Multiple valves available: Pneumatic Jet, Slide Valve and Screw Valve
- Laser height detection to calibrate Z axis automatically for component deformation



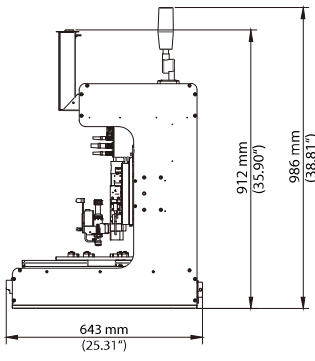
Front View  
TD-300



Side View  
TD-300



Front View  
TD-250D



Side View  
TD-250D