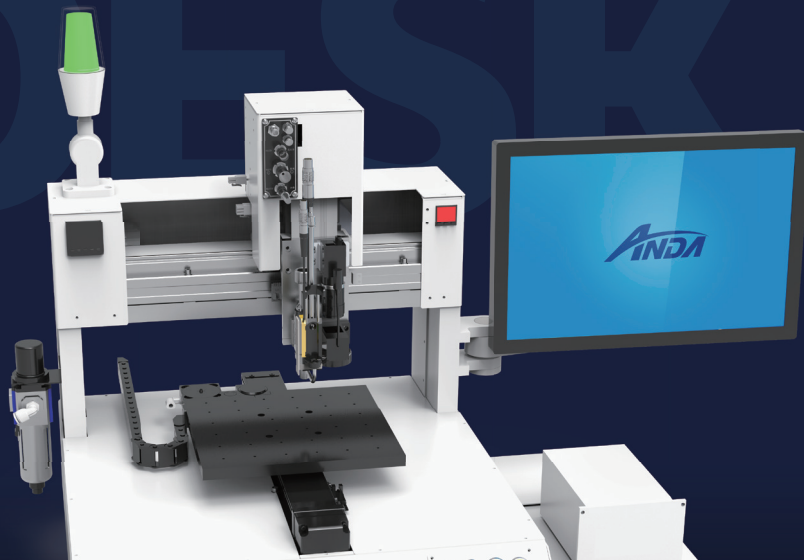




**PROCESS SOLUTIONS
YOU CAN COUNT ON**

TSV SERIES

DESKTOP DISPENSING SYSTEM

Features

- Desktop dispensing machine for large size products
- CCD Visual positioning system
- Uses rotational servo motor and ball screw to drive
- Equipped with jetting valves
- Online visual programming
- IPC and Windows operation system to control
- Optional laser height detection system

Product Description

TSV Series desktop dispensing system is applicable for underfill, LENS dispensing, FPC package, SMT red glue dispensing, solder past dispensing, LED package, fingerprint identification module, etc. at 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 TSV-300 model is 300 x 300 mm and the TSV-400 model is 400 x 400 mm.



TSV-300



TSV-400

Specifications:

System Specification

TSV Series Desktop Dispensing System

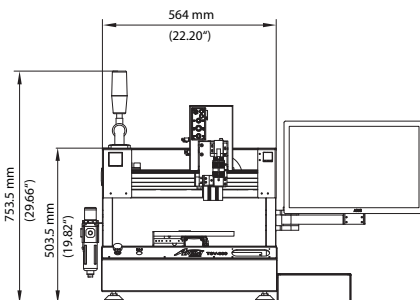
	TSV-300	TSV-400
Dispensing Parameters		
Standard Work Area	X 300 × Y 300 mm (X 11.81" × Y 11.81")	X 400 × Y 400 mm (X 15.7" × Y 15.7")
Maximum Components Height	95 mm (3.74")	
Operation Height Level	900 ± 20 mm (35.43" ± 0.79")	
Number of Valve	1 set	
Nozzle Cleaner	Vacuum cleaning	
Transmission system		
Number of Axes	X, Y, Z axis	
Driver	Servo motor	
Maximum Moving Speed	1000 mm/s	
Acceleration	0.8 g	
Position Accuracy	XY : ± 0.02 mm (0.00078") @3σ, Z : ± 0.01 mm (0.00039") @3σ	
Repeatable Accuracy	XY : < 0.015mm (0.00059") @3σ, Z : ± 0.005mm (0.00019") @3σ	
Vision & Lighting System		
Resolution	1296 x 966 px	
Pixel Size	3.75 x 3.75 μm	
Light Source	Combination of ring light and co-axial light	
Facility		
Dimension	L 810 x W 660 x H 760 mm (L 31.88" x W 25.98" x H 29.92")	L 910 x W 760 x H 760 mm (L 35.82" x 29.92" x 29.92")
Weight	80 kg (176 lb)	90 kg (198 lb)
Ventilation	12 m³/min	
Pressure	95 psi (0.6MPa)	
Input Power	AC 220 V 50 / 60 Hz 10 A	
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

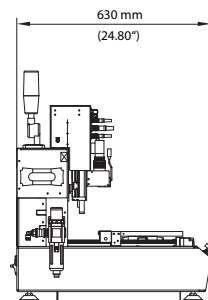
- Computer Control, Windows OS
- CCD visual positioning system
- Servo Motor
- UPS and voltage stabilizer
- ESD grounding point-
- CE certified

Optional Features

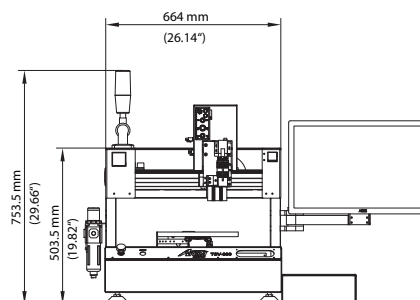
- Automatic constant temperature system to ensure the fluidity consistent
- Laser Height Detection to calibrate Z axis automatically for component deformation



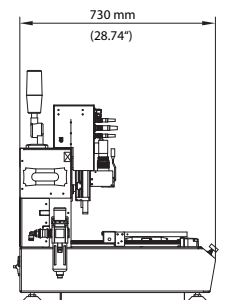
Front View
TSV-300



Side View
TSV-300



Front View
TSV-400



Side View
TSV-400