

**PROCESS SOLUTIONS
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TSV SERIES

DESKTOP DISPENSING SYSTEM

Product Description

ANDA's TSV Series are versatile compact high speed precision tabletop dispensing machines designed for selective coating and fluid dispensing applications. Due to their compact size, these dispensing machines are easily portable making them ideal for low volume processes or laboratory tabletop applications.

The TSV Series is an automated, XYZ (3-axes) gantry system driven by ball screw and servo motors. This dispensing machine series is available in two different models with varying platform work areas and X-Y travel dimensions. The TSV-300 model is 300 x 300 mm and the TSV-400 model is 400 x 400 mm.

- Compatible with jetting valves for precision underfill or other non-contact material dispensing applications



TSV-300



TSV-200D

ANDA Technologies USA, Inc.
info@anda.us
+1 510 270 8648
47639 Lakeview Boulevard, Fremont, CA 94538, USA



Specifications :

System Specifications

TSV Series Desktop Dispensing System

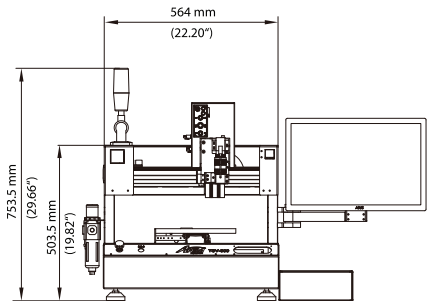
	TSV-300	TSV-200D
Dispensing Parameters		
Standard Work Area	X 260 mm (10.23")	X1 X2: 260 mm (10.23")
	Y 260 mm (10.23")	Y1 Y2: 260 mm (10.23")
Operation		
Gantry System	Servo Motors & Ball Screw	
Main Axes	X, Y, Z axis	X, Y1, Y2, Z axis
XY Max. Speed	800 mm/s	
XYZ Repeatability	± 0.025 mm (±0.001")	
Valve Configuration	Single Valve	
Min. Dot Diameter	≥ 0.2 mm (Depends on valve specification & fluid property)	
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		
Footprint	L 810 mm (31.88")	L 1120 mm (44.09")
	W 660 mm (25.95")	W 740 mm (29.13")
	H 760 mm (29.92")	H 760 mm (29.92")
Weight	~105 kg (~230 lbs)	~100 kg (~220 lbs)
Min. Air Supply	0.65 MPa (5 psi, 6.5 Bar)	
Input Power	AC 220 V 50/60 Hz	
Rated Power	1 kW	
Standard Compliance	SMEMA, IPC, CE	
Interface		
Controller	IPC & KMM	
OS	Windows OS	
Software	Anda Software	
Programming	File Transfer & On-board Programming	

Standard Features

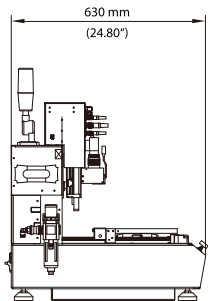
- CCD visual camera
- Pressure booster
- Voltage stabilizer
- Uninterruptible power supply (UPS)
- Light tower beacon
- ESD grounding

Optional Features

- Volumetric material scaling system
- Laser height measurement
- Single-valve four-way tit
- Continuous material nozzle heating



Front View
TSV-300



Side View
TSV-300