

DISPENSING



**PROCESS SOLUTIONS
YOU CAN COUNT ON**

iJet-7 SERIES

MULTI-FUNCTIONAL FLUID DISPENSING SYSTEM

Product Description

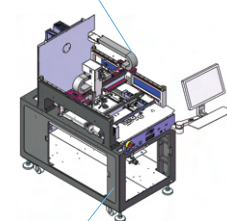
iJet-7 Series are high-speed XYZ gantry systems designed to deliver the highest precision fluid dispensing capabilities available today. These multi-functional dispensing machines provide the highest operating speed with repeated accuracy of ± 0.01 mm ($10 \mu\text{m}$) for high volume applications.

The systems XY axes are equipped with linear motors and Z axis servo motor with ball screw. The Anda User Interface software ensures the fastest speeds and shortest cycle times for dispensing adhesive glues and sealants.

- Rigid steel structure precision smooth motion platform
- Precision and repeatability accuracy of ± 0.01 mm ($10 \mu\text{m}$)
- High speed motors with linear speeds up to 1.2 m/s (47 in/s)
- Large platform work area available, up to 650 x 650 mm
- Closed loop controlled volumetric precision dispensing

iJet-7H:

X,Y,Z Driving module

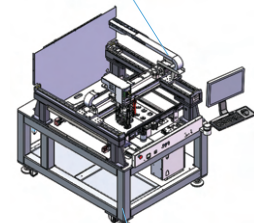


Steel welding frame

iJet-7H Driving module and frame structure

iJet-7L:

X,Y,Z Driving module



Steel welding frame

iJet-7L Driving module and frame structure

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Specifications :

System Specifications

iJet-7 Series Multi-Functional Fluid Dispensing Machine

	iJet-7H	iJet-7L
Board Handling		
Standard Work Area	X 400 mm (15.74") Y 480 mm (18.89") Z 30 mm (1.18")	X 650 mm (25.59") Y 650 mm (25.59") Z 30 mm (1.18")
Min. Conveyor Width	50 mm (1.96")	50 mm (1.96")
Max. Conveyor Width	480 mm (17.71")	650 mm (22.83")
Max. Component Height	±90 mm (3.54")	
PCB Edge Clearance	≥ 3 mm (≥ 0.12")	
Process Flow	L to R (Standard), R to L (Optional)	
Max. Conveyor Load	4 kg/m (9 lbs) [Standard], 10 kg/m (22 lbs) [Optional] with even distribution	
Max. Conveyor Speed	13 m/min	
Conveyor Height	900 ± 20 mm (35.43" ± 0.79")	
Conveyor Type	ESD Belt	
Conveyor Width Adjustment	Motorized	
Operation		
Gantry System	XY Linear Motor Z Servo Motor	Servo Motor & Ball Screw
XY Max. Speed	1200 mm/s	1000 mm/s
XY Acceleration	1.2 g with smooth control	0.8 g with smooth control
XYZ Repeatability	± 0.01 mm (±0.00039")	± 0.025 mm (±0.00098")
Min. Dot Diameter	≥ 0.2 mm (Depends on valve specification & fluid property)	
Facility		
Footprint	L 790 mm (31.10") W 1600 mm (62.99") H 1600 mm (62.99")	L 1220 mm (48.03") W 1600 mm (62.99") H 1600 mm (62.99")
Weight	~700 kg (~1550 lbs)	~1350 kg (~3000 lbs)
Min. Air Supply	0.65 MPa (95 psi, 6.5 Bar)	
Exhaust Requirement	12 m ³ /min (450 CFM)	
Input Power	AC 220 V 50/60 Hz	
Rated Power	2.5 kW	
Standard Compliance	SMEMA, IPC, CE	
Interface		
Controller	IPC & KMM	
OS	Windows OS	
Software	Anda Software	
Programming	File Transfer & On-board Programming	

Standard Features

- Contactless vacuum cleaning station
- Programmable valve cleaning
- CCD visual camera
- Inline vision programming or Gerber upload
- LED lighting
- Board presence sensors
- PCB clamping system
- Unlimited program storage
- USB communication ports
- Light tower beacon
- ESD grounding

Optional Features

- Valve and/or fluid heating
- Substrate heating
- Dual valve dispensing
- Four-direction valve tilting
- Dynamic material mixing
- Material level detection (low fluid level scale)
- Booster pump
- Barcode program selection, 1D or 2D
- Laser height detection (non-contact sensor)
- Volumetric dispense calibration (0.1 mg grade microscale)
- Pre-queue board station
- Multi-stage or multi-zone conveyor
- Dual lane conveyor
- Return conveyor (underneath)

