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# iJet-7 SERIES

MULTI-FUNCTIONAL FLUID DISPENSING SYSTEM

## Features & Benefits

- Repeatability accuracy  $\pm 0.01$  mm
- Rigid welded steel frame construction
- High speed motor with linear speed up to 1000 mm/s
- Large work area available, up to 650 x 650 mm

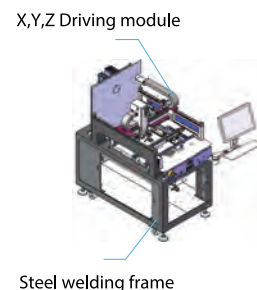
## Product Description

iJet-7H & iJet-7L fluid dispensing systems offer both precision and flexibility with a combination of electronic dispensing head and control software. The Anda User Interface software ensures fast dispensing speed and short cycle time. This machine is capable for dispensing adhesives and sealants.

They have the strengths on

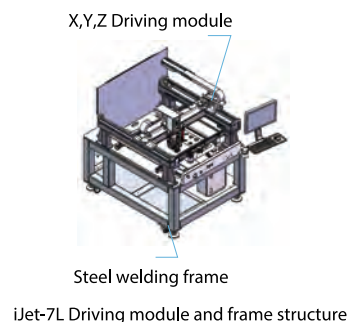
- High accuracy for X-Y-Z axis
- Closed-loop technical control to ensure dispensing volume consistency.
- Built in CCD vision system;
- Automatic nozzle cleaning
- Flexible design, easy to upgrade
- Large work area available

**iJet-7H:**



iJet-7H Driving module and frame structure

**iJet-7L:**



iJet-7L Driving module and frame structure

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Specifications :

System Specifications

iJet-7H

iJet-7L

Board Handling

Standard Work Area	Single valve	X 380 x Y 450 x Z 30 mm (X 14.96" x Y 17.71" x Z 1.18")	Single valve	X 650 x Y 650 x Z 50 mm (X 25.59" x Y 25.59" x Z 19.68")
Maximum Components Height	± 30 mm (± 1.18") from PCB			
Acceleration	0.8 g			
PCB Edge Clearance	≥ 3 mm (≥ 0.12")			
PCB Clearance Topside	30 mm (1.18")			
Max. Conveyor Width	450 mm (17.71")		650 mm (25.59")	
Min. Conveyor Width	50 mm (1.97")			
Fluid Volume	30 cc			
Fluid Level Sensor	Automatic monitor			
Intelligent Automatic Nozzle Cleaner	Non-contact vacuum nozzle cleaning			

Transmission system

Conveyor Qty	1 pair		
Conveyor Type	Thermostable ESD belt		
Process Flow	L to R (Standard), R to L (Optional)		
Conveyor Height	900 ± 20 mm (35.43"± 0.79")		
Conveyor Speed (XY)	2-5 m/min		
Conveyor Width Adjustment	Automatic (motorized)		

XYZ Axis Configuration

No. of Valves	Single valve (Option : Dual vales)	Single valve only
Motor	X – Y linear module and Z servo motor	Servo motor with ball screw
Maximum Speed	1000 mm/s	800 mm/s
Repeatability Accuracy	±0.010 mm (0.00039")	±0.015 mm (0.00059")

Facility

Standard Footprint	L 790 x W 1600 x H1600 mm (L 31.10" x W 62.99" x H 62.99")	L 1220 x W 1600 x H 1600 mm (L 48.03" x W 62.99" x H 62.99")
Weight	700 kg (1540 lb)	1350 kg (2970 lb)
Air Requirement	≥ 0.65 Mpa	
Extraction	≥ 6.5 kgf/m³	
Input Power	AC 220 V 50/60 Hz	
Total Power	2.5 KW	

Interface

Controller	IPC with 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 vision positioning system
- Servo motor with ball screw
- Inline CCD vision programming or Gerber upload
- UPS and voltage stabilizer
- ESD grounding point
- CE certified

Optional Features

- Heated valves for viscosity control
- PCB Heater enhances material flow for underfill applications for normal size platform
- Precision weight measurement ensures accurate volumetric dispensing
- Multiple valves available, Pneumatic Jet Valve, Slide Valve and Screw Valve
- Laser height detection to calibrate Z axis automatically for component deformation

