UltraMAX™

Advanced Dispensing

Accepting Orders Beginning December 2026

GPD Global
Precision Dispensing Systems

SPECIFICATIONS & PERFORMANCE	
Work area	355 mm × 355 mm (14 in × 14 in)
Heat	Non-heated system
Accuracy*	±0.012 mm (±.0005 in)
Repeatability (per axis)	±0.008 mm (±.0003 in)
Pump speed*	Up to 500hz
Encoder	1 µm, linear
Gantry type	X & Y - linear, Z - rotary
Gantry linear speed	1.5 m/sec (59 in/sec)
Field of view (camera X,Y)	11 x 8 mm
*With system mapping over standard work area	

CAPABILITY	
Media types	Solder paste, SMT adhesive. Contact GPD Global to discuss others
Valve types	Jet
Minimum droplet size	Fluid dependent
Minimum dot diameter	Fluid dependent
Nozzle sizes	75–200 µm jet nozzles
Syringe sizes	5, 10, 30, 55cc

BOARD HANDLING & TRANSPORT	
Board thickness	0.5 - 5 mm (0.02 in - 0.2 in)
Overboard clearance	25 mm (1 in)
Underboard clearance	25 mm (1 in)
Board edge clearance	5 mm (0.2 in)
Board transport height (SMEMA)	930 - 975 mm (36.6 in - 38.4 in)
Direction of transport	Left to right, right to left. Specified at the time of order
Maximum board/product weight	5 kg

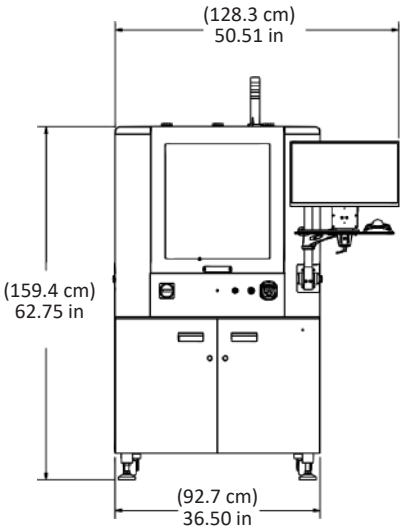
AIR & VENTILATION	
Pressure, clean dry air	552 kPa (80 psi) at 4CFM
Exhaust port diameter (per port)	101.6 mm (4 in)
Air inlet fitting thread	¼ in NPT
‡Customer supplies connecting hardware ‡Customer supplies ducting to exhaust port	

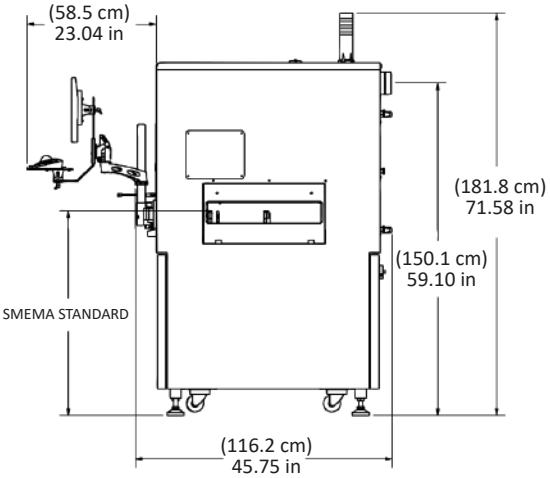
FEATURES	
Up-looking camera	For nozzle tip inspection
Weight scale	Process/Pump calibration
Clean-room prep package	Prepares the system for operation in clean-room environments
Extended warranties	Continued protection and service support
Service/Maintenance contracts	Preventive maintenance and priority technical support
*Contact GPD Global about additional options and features.	

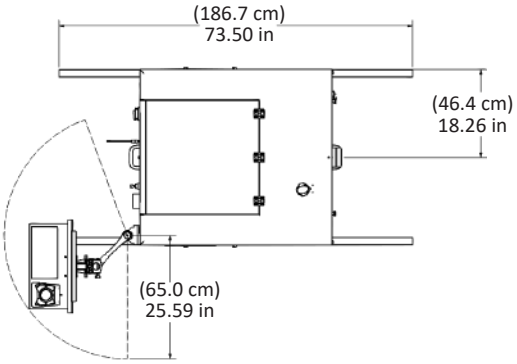
POWER	
Voltage	208-240 VAC, single phase
Frequency	50/60 Hz
Amperage (max)	15 amps @ 230 volts

SOFTWARE
Powered by Windows 11
Gerber file import
Pre-configured component library
Real-time on-screen process visualization
Automatic conveyor width adjustment
Intuitive recipe creation with user-friendly programming

DIMENSIONS







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