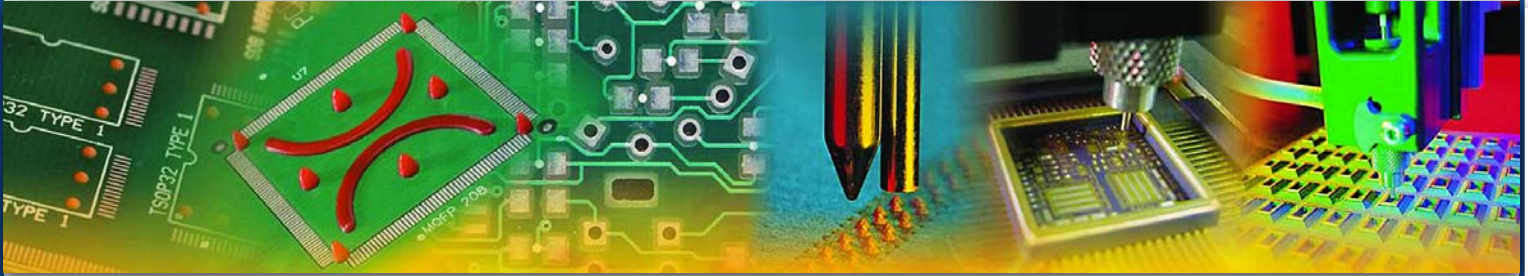


GPD MAX Series

Non-Heated Dispense System Overview

- Compact Footprint
- Unibody Frame
- Accuracy of $\pm 0.001''$ (0,025 mm)
- Work Area up to 14.1" x 12" (358 mm x 305 mm)
- Up to 38,000 dph with LX Auger Valve
- Linear Speed of 30"/sec (762 mm/sec)



The **GPD Global® MAX Series** is a compact, high accuracy system designed for today's advanced applications. Up to two different dispense valves/pumps, including the PCD Continuously Volumetric Dispense Pump, Micro-Dot Pump, and LX Auger Valve may be mounted making the MAX Series an outstandingly flexible solution to your production environment needs.

Each MAX Series system is manufactured on a rock solid frame of Zanite. To ensure all systems meet our stringent accuracy specifications of $\pm 0.001''$ (± 0.025 mm), all systems are calibrated with our Contour Mapping™ process. This process maps gantry motion to a known glass plate, compensating for slight positional changes over the entire work area. This calibration process can easily be done in the field.



GPD Global's universal tool mounting design utilizes our tool-less Taper-Lock™ system making cleaning and changeover a snap. Compatibility with a range of pumps from the PCD continuously volumetric dispense pump to the Micro-Dot pump allow you to dispense a range of fluids at unmatched accuracy or repeatability. PCD dispense pumps have the ability to dispense low-to-high viscosity fluids drip-free and at high, controllable rates of speed while the Micro-Dot pump will enable you to dispense the ultra small volumes of pastes and glues.

The exclusive and powerful FLOWare® software gives you exceptional control over all aspects of the dispense process.

Programming is done through the user interface, camera system, or may be imported from various sources.

GPD offers many innovative features that ensure a process is done with confidence. Some key features are: Automatic XYZ nozzle calibration (no operator intervention required), needle cleaner, computer controlled syringe air pressure, proprietary Contour Mapping™, FLOWare® operating software and multi valve capability.



GPD Global®

MAX Series Standard Features

- High Speed, GPD Cyclops™ Vision
- Red/Blue Illuminator
- Needle Cleaner
- Automatic Backlit XYZ Calibration Station
- Up to 2 Valve Capability
- Tool-less Taper-Lock™ Mounting Hardware
- Computer Controlled Syringe Pressure
- FLOWare® Operating Software
- Network Communications

MAX Series Dispensing

Dimensions

Workarea (X, Y, height)	
2 valve stations	12" x 12" x 3.25" (305 mm x 305 mm x 83 mm)
1 valve station	14.1" x 12" x 3.25" (358 mm x 305 mm x 83 mm)
Footprint	36.9" W x 47" D x 75.3" H

Performance

Accuracy*	±0.001" (±0.025 mm)
*with system mapping over standard work area	
Repeatability (per axis)	±0.0006" (±0.0152 mm)
Speed	38,000+ DPH

Capacity

Dispense valve Up to 2

Power

120 Volts or 230 Volts AC frequency 50-60 Hz
 Maximum 10 amps @ 120 Volts or 5 amps @ 230 Volts

GPD Global recommends use of dedicated, external circuit breaker/fusing. Alternately, use properly rated branch fusing.

Air

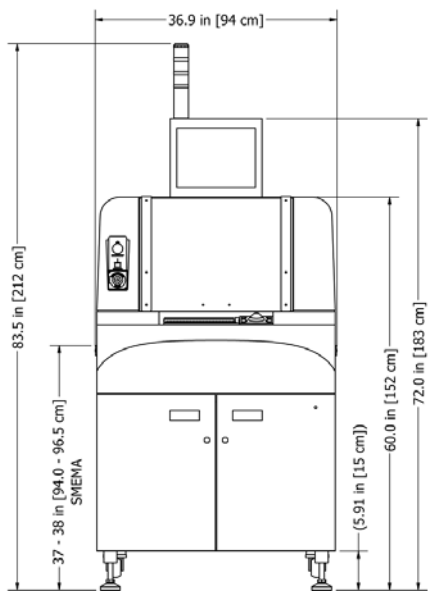
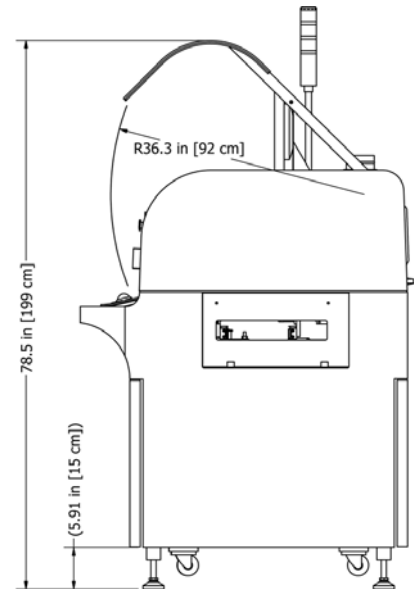
Pressure (clean dry air)	80 psi (552 kPa)
Flow rate (maximum) - add flow for each system present:	
machine	4 CFM @ 87 psi (113 l/min @ 600 kPa)
optional vacuum system	4 CFM @ 50 psi (113 l/min @ 345 kPa)
Air fitting thread*	1/4" NPT
*customer supplies connection hardware	

Ventilation

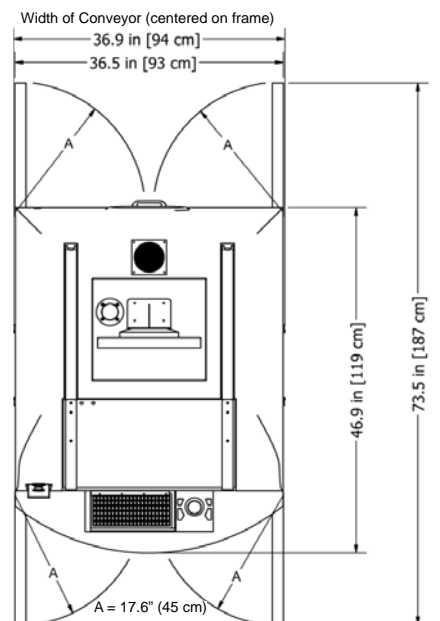
Exhaust port*	4" (101.6 mm)
*customer supplies ducting to exhaust port	
Ventilation flow rate	250 CFM (7,079 l/min) per port

Crating Specifications

Weight, crated	2250 lbs (1021 kg)
Dimensions, crated	51"W x 63"D x 72"H (130 cm W x 160 cm D x 183 cm H)



All vertical dimensions can be adjusted (together) +/- 1.00" (+/- 2.54 cm).



Standard direction of flow is Left-to-Right, however, Right-to-Left is configurable at time of order.



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