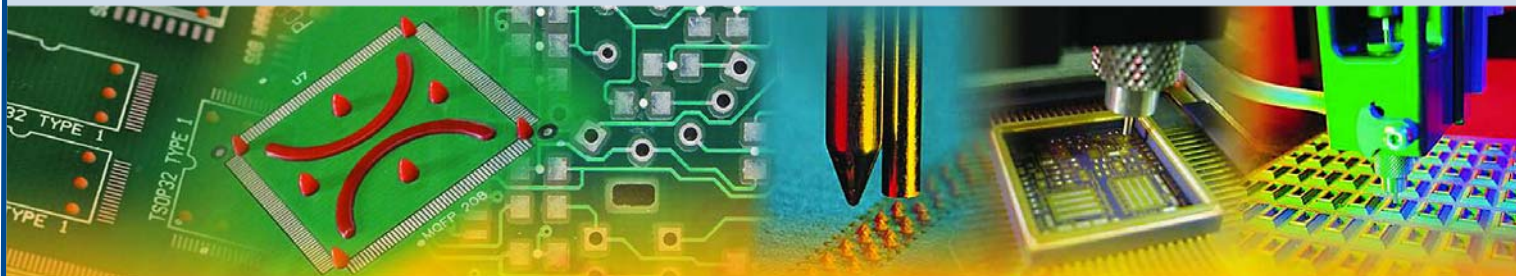


GPD MiniMax™

PRODUCTION
READY

SYSTEM INTRODUCTION

- Compact Footprint
- Unibody Frame
- Functional Workarea
13.7" x 12" (348 mm X 305 mm)
- 1 Valve/Tool Capability
- Up To 38,000 Dots / Hour
- Accuracy of ± 0.001 " (0.025 mm)
- Linear Speed of 30"/sec (762 mm/sec)



The GPD Global® MiniMax™ is a compact, high accuracy system designed for today's advanced applications. The frame is molded from "liquid rock" which gives the system a stable platform for accurate positioning and high-speed production.

The MiniMax has been configured for those applications where a single valve is enough, but high accuracy and repeatability are required. The system is configured with a single, tool-less Taper-Lock™ mounting position that allows the operator to remove the valve without the need for tools. Any of the valves and tools that GPD offers may be operated on this platform. Additionally, GPD Global's innovative Micro-Dot and LX Auger valves both incorporate a tool-less design, making cleaning and change-over a snap. The Micro-Dot valve is capable of dispensing a wide range of materials in very accurate, small volumes; materials include solder pastes, conductive adhesives and underfills, to name just a few.

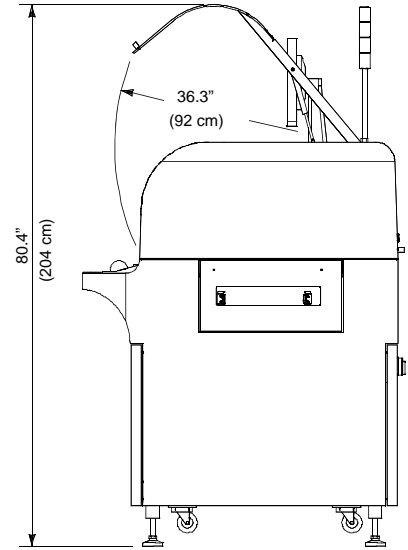
GPD offers many innovative features that ensure a process is done with confidence. Some key features are: Automatic X,Y,Z calibration (no operator intervention required), needle cleaner, computer controlled syringe air pressure, Contour Mapping™, FLOWare® operating software and single, quick change valve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



GPD Global®

Production Ready Configuration

- ✓ Automatic Vision
- ✓ Configurable as In-line or Stand-alone
- ✓ Red/Blue Illuminator
- ✓ Needle Cleaner
- ✓ Single position, Tool-less Taper-Lock™ Mounting Hardware
- ✓ Auto X, Y, Z Calibration
- ✓ Computer Controlled Syringe Pressure
- ✓ FLOWare® Operating Software
- ✓ Network Communications
- ✓ LX Auger Valve



Power

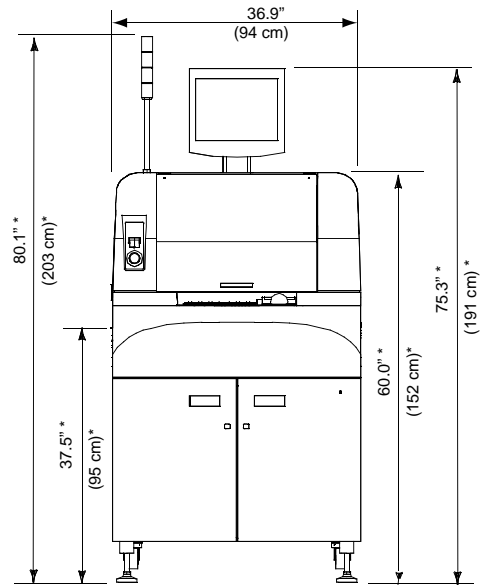
MiniMax™ SA, MiniMax™ IL

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)



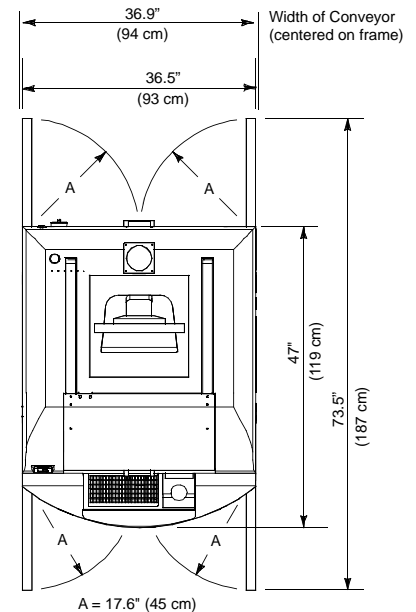
* All vertical dimensions can be adjusted (together) to +2.75" and -1.75" (+70 mm & -45 mm)

Ventilation

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

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)



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



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