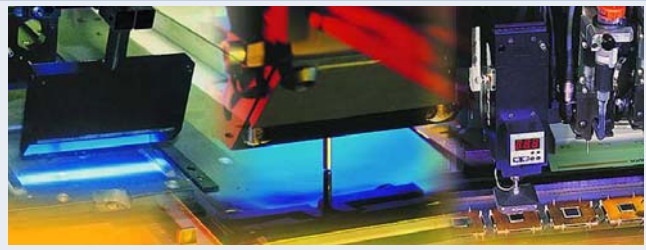


GPD DS Series™

SYSTEM INTRODUCTION

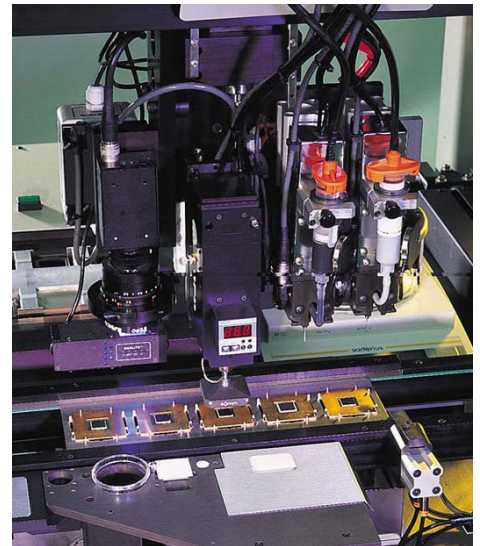


- Inline, Stand-alone, & Heated Models
- PCD: Continuously Volumetric Dispense Pump
- Up to 3 Valve/Tool Mount Stations
- Accuracy $\pm 0.0015''$ ($\pm 0,0381$ mm)
- Repeatability $\pm 0.0006''$ ($\pm 0,0152$ mm)
- Dispense Rate 28,000 dots/hour

All DS Series™ models are robust and versatile platforms designed to handle various types of applications with ease. The series includes the DS9K models for all non-heated applications, while the DS Micro models handle heated applications. At the root of the DS Series™ is a heavy duty, open frame with easy access that lends itself to simple loading, unloading, and process setup by the operator.

The platforms were designed with versatility in mind. Each of the DS Series™ platforms can handle up to 3 different valves or tools at one time and, with work areas up to 24" x 24" (609 mm x 609 mm), there are few processes these systems can't handle.

Utilizing the PCD Series of pumps makes the DS Series™ an outstanding performer for many applications.



Our FLOWare® software controls all aspects of system operation and even handles the control of Pick-and-Place tools for special applications. With ease of operation in mind, all systems are configured with our automatic XYZ needle calibration, needle cleaner, and toolless Taper-Lock™ mounting hardware. These features ensure a consistent setup and process with minimal operator intervention.

In addition to built-in functionality and GPD's highly regarded accuracy with our Contour Mapping™ package, the DS Series™ dispensers are able to maintain $\pm 0.0015''$ (± 0.038 mm) throughout the full work area. When your applications call for versatility and functionality, the DS Series™ is the right platform.

GPD Global®

Standard Features

- Automatic Vision
- Red/Blue Illuminator
- Needle Cleaner
- Auto X, Y, Z Calibration
- 3 Valve Capability
- Toolless Taper-Lock™ Mounting Hardware
- FLOWare® Operating Software
- Network Communications
- PCD: Continuously Volumetric Dispense Pump

Power

DS Series™ SA, DS Series™ IL

110-120 Volts or 220-240 Volts AC frequency 50-60 Hz
 Maximum 13 amps @ 115 Volts or 7 amps @ 230 Volts

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

Air

Pressure (clean & dry air) . . . 80-90 psi (552-621 kPa)
 Flow rate (maximum)4 CFM @ 87 psi
 (113 l/min @ 600 kPa)
 Air fitting thread* 1/4" NPT
 *(customer supplies connection hardware)

Ventilation

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

Crating Specifications

STAND-ALONE MODELS

Weight, crated.2100 lbs (953 kg)
 Dimensions, crated. 71"W x 62"D x 81"H to 77"W x 70"D x 81"
 (180cm W x 157cm D x 206cm H) to (196cm W x 178cm D x 206cm H)

CONVEYOR MODELS

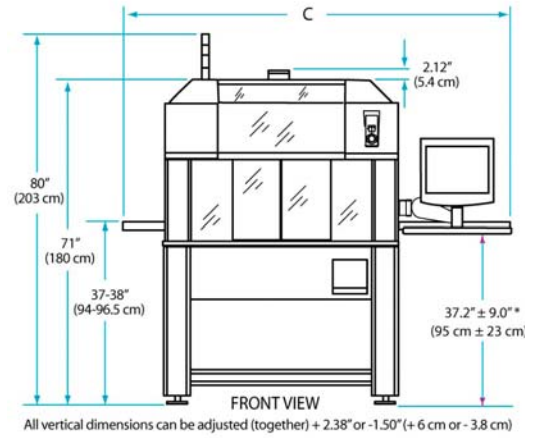
Weight, crated.2600 lbs (1179 kg)
 Dimensions, crated. 80"W x 62"D x 81"H to 91"W x 70"D x 81"
 (203cm W x 157cm D x 206cm H) to (231cm W x 178cm D x 206cm H)



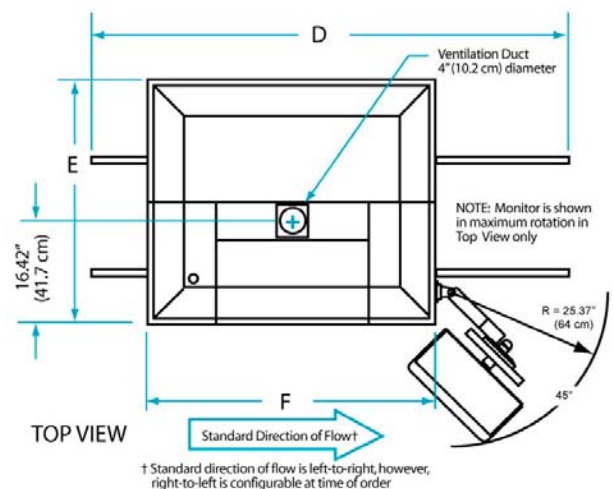
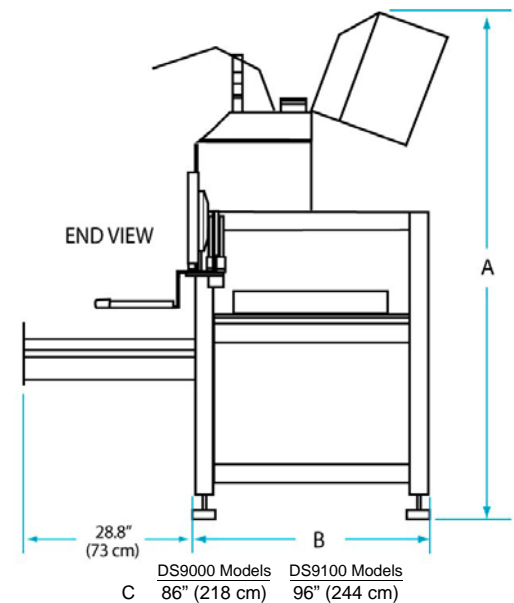
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	DS9000 Models	DS9100 Models
A	88" (224 cm)	91" (231 cm)
B	39" (99 cm)	47" (119 cm)



	DS9000 Models	DS9100 Models
D	86" (218 cm)	96" (244 cm)
E	39" (99 cm)	47" (119 cm)
F	46" (117 cm)	52" (132 cm)