



PDS Serie T
PDS Benchtop Gantry

POLY DISPENSING SYSTEMS
S Y S T E M E S D E D O S A G E I N D U S T R I E L

PDS Serie T Benchtop Gantry

An innovative and modular dispensing robot, the PDS Serie T is a versatile system that can be used either as a desktop or a gantry system, allowing users to create their workstation.

The strength of the PDS Serie T lies in its ability to create its own working area, enabling the system to be mounted to any work surface. The system is suitable for use on any type of platform requiring a gantry type mounting with open access under the robot. It is also ideal for conveyor fed automation or can be installed in work cells operating as a slave robot.

Poly Dispensing Systems's new robot is ideal for form-in-place gaskets, adhesives, potting, coating and filling. The robot comprises a control module, a teach-pendant and an articulated-gantry. The PDS Serie T has a working area of 8" x 8" (200 x 200mm) with a resolution accuracy of 0.001mm. Using the teach pendant, the dispensing robot supports PDS's industry leading dispensing software and can store and retrieve up to 100 programs (400,000 points).



Features

- Ideal for form-in-place gaskets, adhesives, potting, coating and filling
- Place-anywhere PDS Serie T gantry design, allows flexible operation
- High resolution 0.001mm
- Performs continuous path and point-to-point motions
- Quick fluid-purge button located on front panel of controller
- Software tip alignment routine for quick program offsets when changing dispensing tips
- Step-and-repeat functions - program one object only for multiple identical objects
- On board 100 programs, 400,000 point memory capacity, 4,000 points per program
- Available without Teach Pendant for multiple installations
- USB connector allows system updates and program interchange between robots

Specifications

XYZ Robot Working Area/ mm :	200 / 200 / 50
Total load - Z axis :	3kg
Max. Speed X&Y / Z (mm/sec) :	0.1- 500 / 300
Repeatability :	+/- 0.01mm/ Axis
Resolution :	0.001mm/ Axis
Data Memory :	100 programs, 4000 points/program
Motor system :	Micro stepping motor
Motion Control :	PTP & CP
Programming Method :	Teach Pendant
I/O Signals Ports :	8 Inputs / 8 Outputs
External Control Interface :	RS232
Power Supply :	AC110 ~220V 150W
Dimensions (WxDxH) mm :	350 x 330 x 475
Robot Weight :	23 kg



PDS S.A.S is a french company providing a wide range of dispensing equipments, proven and effective.

Distributed in over 20 countries around the world, these equipments provide tailored solutions to many users such as to improve technically their manufacturing and reduce their production cost.

All of our collaborators and sales engineers have strong technical competences. They will be able to answer your questions and offer you, after analysis, the right solution for your particular need.

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