

Custom Series

Programmable Modular Automatic Dispensing System



The Custom Series is a family of automatic fluid dispensing systems that uses Creative Automation Company's three dimension cartesian motion modules, pumps, valves, and options in combination with the TruPath 300™ controller to deliver powerful, flexible, versatile automatic dispensing solutions. The series components are ruggedly designed for reliable operation and long production life. All elements are precision manufactured for accurate performance. These systems are the ideal solution for integrating automatic fluid dispensing wherever space is a concern.

Powerful Dispensing Controller

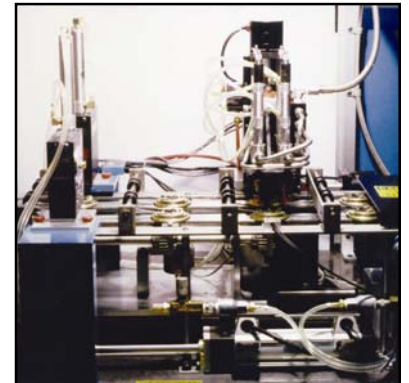
The TruPath 300™ programmable dispensing controller provides full functionality for programming dispensing patterns, positioning the pump, and operating the unit.

Exclusive True Volume™ Piston Positive Displacement Pump

Creative Automation patented technology offers the most accurate volume control available in the fluid dispensing industry. True Volume™ pumps maintain accuracy in the most demanding circumstances. Changes in temperature, viscosity or deposit size will not impact the accuracy or speed of the True Volume™ pump.

Flexible Configurations

The cartesian motion modules can be assembled in a wide range of sizes and can be fitted to a conveyor, rotary table, or benchtop for in-line or free-standing operation. The models with smaller work areas are perfect for applications with indexing systems where XY travel is required. In-line systems can be conveniently retrofitted. In addition, it supports 16 inputs and 8 outputs for integration with external equipment.



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Creative Automation Company

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System Specifications

Standard Axes Travel Range Available:	X-Axis	1" to 36" (2.5 to 91.4 cm)
	Y-Axis	1" to 6" (2.5 to 15.2 cm)
	Z-Axis	1" to 6" (2.5 to 15.2 cm)
Resolution:	X and Y Axes	0.001" (0.025 mm)
	Z Axis	0.001" (0.025 mm)
Repeatability:		± 0.002" (± 0.05 mm)
Underboard Clearance:		Unlimited
Positioning Accuracy:		± 0.002" (± 0.05 mm)

Options: SP Piston Positive Displacement Pump
LV-1 Low Viscosity Positive displacement Pump
DV-1 Diaphragm Valve
SV-1 Spool Valve
SR-1 Syringe Dispenser
Camera/Monitor System
1 Probe 1 Gram Contact Height Sensor

Warranty: 1 Year

Controller Specifications

Exclusive Standard Feature: 3 Axes Continuous motion	Standard Functions: Line, Dot Rectangle, Circle, Arc Area Fill Step and Repeat Subroutines Passwords	I/O Interfaces: RS232c Port 16 Inputs 24V 8 Outputs 24V (up to 0.5A)
User Interface: Menu-driven Program Delay 5 Function Keys Power Switch Emergency Stop	Advanced Functions: I/O Interrupts Camera Programming* Off Line Programming** Height Sensing* Communications*	Dimensions: 16" w x 15" d x 3.5" h (40.6 x 38.1 x 8.9 cm)
Program Execution: Dispense Run Dry Run Step-by-Step Execution		Weight: 16 Lbs
		Power: 120/240V, 50/60 Hz, 100W

* Optional

** Software Included

Innovative Solutions Since 1968

For over 35 years, Creative Automation Company has provided customers with automated manufacturing solutions. The company has set the industry standard in dispensing with over 19 patents, developing innovative concepts based on proven, leading edge technologies.

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