

Rotary Dispensing Robot for Circular Bead Application

This rotary dispensing robot efficiently dispenses circular patterns on various parts, including those with difficult-to-access areas. Its Z-axis tilts for controlled rotary dispensing at an angle on either a vertical wall within a cylindrical part or on an outside wall.



ADDITIONAL IMAGES



Product Overview

High-Precision Rotary Dispensing

This automated rotary dispensing system provides a reliable solution for applying consistent circular beads of fluids, sealants, and resins. Featuring a programmable Z-axis and variable speed rotation, it is specifically designed to handle complex geometries, including inside and outside walls of cylindrical parts. By integrating precision stepper motor control, the system ensures drip-free, uniform bead placement to enhance product quality and significantly reduce material waste in industrial assembly processes.

Technical Specifications

Repeatability	0.01 mm
Motor Speed	300 Cycles/min
Rotation Range	360 degrees
Dispensing Time Range	0.01 - 9.99 seconds

Operational Requirements

Electrical Input	110 VAC, 220 VAC, 24 VDC Internal
Input Air Pressure	7 bar

Physical Dimensions

Total Weight	10 kg
Dimensions (LxWxH)	48 x 40 x 54 cm

Certifications and Compliance

Standards

CE Approved

System Capabilities

Applicable Materials

- Sealant
- RTV
- Silicone resins
- Thick fluids
- Thin fluids

Highlighted Capabilities

15 inch

Max Part Diameter

100 cycles/min

Min Frequency