

## GSyP-100

### Adhesive Syringe High Precision Pump

The GSyP-100 liquid dispensing system is engineered with a direct pressurization mechanism driven by a screw, eliminating the need for external air input. Controlled by a sophisticated microprocessor, it ensures precise dispensing volumes and calculation control for consistent results.



## FEATURES

### Direct Pressurization by Screw Mechanism

Unlike traditional dispensing systems that rely on external air input, the GSyP-100 features a unique screw-based pressurization mechanism. This innovative design eliminates the need for auxiliary air, simplifying setup and operation.

### Microprocessor-Controlled Dispensing

Precision is paramount in liquid dispensing, and the GSyP-100 delivers exceptional accuracy through its microprocessor-controlled dispensing mechanism. The microprocessor ensures precise dispense volumes and calculates dispensing parameters with unparalleled consistency.

### Seamless Integration with SER Robots

Automation is key to increasing productivity and efficiency in manufacturing processes. The GSyP-100 seamlessly integrates with SER robots, enabling automated dispensing tasks and enhancing overall workflow optimization.

## APPLICATIONS

The GSyP-100 liquid dispensing system is specifically optimized for low-viscosity liquids such as alcohol, volatile liquids, and UV resin, among others. Its versatility extends to micro-volume filling, small volume dispensing, dotting, lining, dispensing adhesives, potting, and a range of other precision applications. Whether you're working with delicate materials or requiring intricate dispensing tasks, the GSyP-100 offers the accuracy and control necessary for optimal results.

### Drip Prevention via Vacuum Function

Dripping and spillage are common challenges in liquid handling operations. To address this issue, the GSyP-100 is equipped with a vacuum function that actively prevents dripping during dispensing. This feature not only maintains a clean working environment but also minimizes material waste.

### Intuitive Touch LCD Control Panel

Operating the GSyP-100 is intuitive and user-friendly, thanks to its touch LCD control panel. Operators can easily access and configure dispensing parameters, monitor system status, and perform troubleshooting tasks with minimal training.

### High Stability and Reliability

Built to withstand the rigors of industrial environments, the GSyP-100 offers high stability and reliability in operation. Robust construction, quality components, and rigorous testing ensure consistent performance and longevity.



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### SPECIFICATION

Properties	GSyP-100
Max output torque	800N
Resolution	0.02mm
Dispensing time	0.01 ~ 30.00 s
Program	6 programs
Operation modes	Manual/ Timer/ Cycle
Input Voltage	24VDC/ 0.5A
Controller dimensions	W-230 x L-260 x H-130 mm, 2.0KG
Pump dimensions	W-52 x L-61 x H-205 mm, 1.2 KG

