Super small-amount dispenser with two ultra-precision pump units.

Automatic Dual-liquid Measuring Metered Dispenser

TWIN SOLID PUMP SYSTEM

TSP Series

Ultra-precision
Measuring Compact

Featuring SOSEY-SOLID® pump system capable of dispensing super small amounts of 0.015 / 0.050 / 0.150 / 0.450 / 0.900ml.

Perfect for low-gravity to high-gravity, low-viscosity to high-viscosity materials (*), urethane, epoxy, silicon and other liquid materials.

(%)Depending on the type of material or filler,

it may be unusable or part wear may be faster



Comes with simple operation controller It can be used immediately.

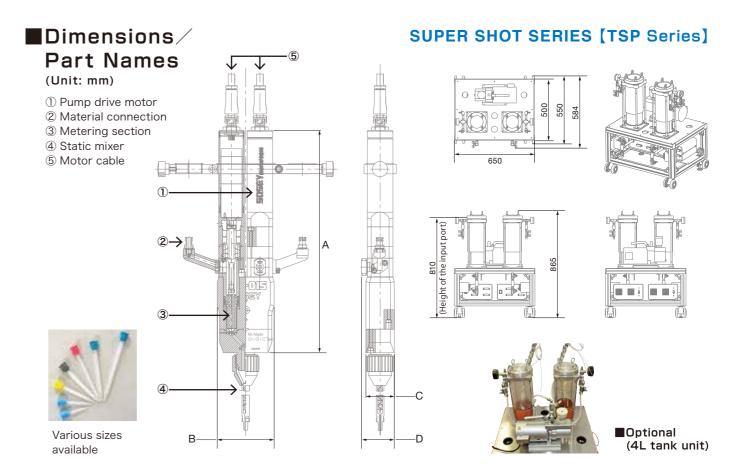


It is extremely light and easy to incorporate onto a tabletop robot.

**Robot sold separately.

ALISE

Adhesive chip on smartphone, potting inside electronic components, gap filler coating, etc.



Main Unit Specifications **Numerical value is the design theoretical value and does not warrant the performance of this device. **Possible to select according to mixture**

Name	TSP-015	TSP-050	TSP-150	TSP-500	TSP-1000
Pump size (one side)	0.015ml/rev	0.050ml/rev	0.150ml/rev	0.450ml/rev	0.900ml/rev
Pump drive motor speed	~120rpm *Differs by material				
Maximum amount dispensed (one side, theoretical value)	0.03ml/s	0.10ml/s	0.30ml/s	0.90ml/s	1.80ml/s
Minimum amount dispensed (one side, theoretical value)	0.0005ml/s	0.0017ml/s	0.0050ml/s	0.0150ml/s	0.0300ml/s
Dispensing precision	±1% *Differs by material				
Material dispensing method	PT1/4 or Luer lock				
Material supply pressure	~0.6MPa				
Material viscosity	~200,000mPa·s				
Usable temperature	~50°C				
Pump drive motor	Servo motor				
Unit weight	1.12kg		1.66kg		1.85kg
Mixer	Possible to select diameter / number of elements				
A(mm)	235		283		319.5
B(mm)	60		65		65
C(mm)	30		32		32
D(mm)	34	.5	36.5		36.5

■Controller Specifications

Power supply	Single phase 100VAC 50/60 Hz	
Power consumption	200W	
Dispensed pattern memories	15 patterns %Selectable by external I/O	
Operation mode	Timer dispensing / manual (continuous) dispensing / automatic cycle / ratio che	
Air supply for syringe pressurization	Φ6 air supply Capable of adjusting air pressurization in the range of 0-0.6 MPa with built-in regulator	

**Specifications and outside appearance may change without advanced notice.
**The device is not explosion- or water-proof.
**Special specifications other than those noted above are available (optional). Please inquire with our sales representative if you wish to add optional specifications.