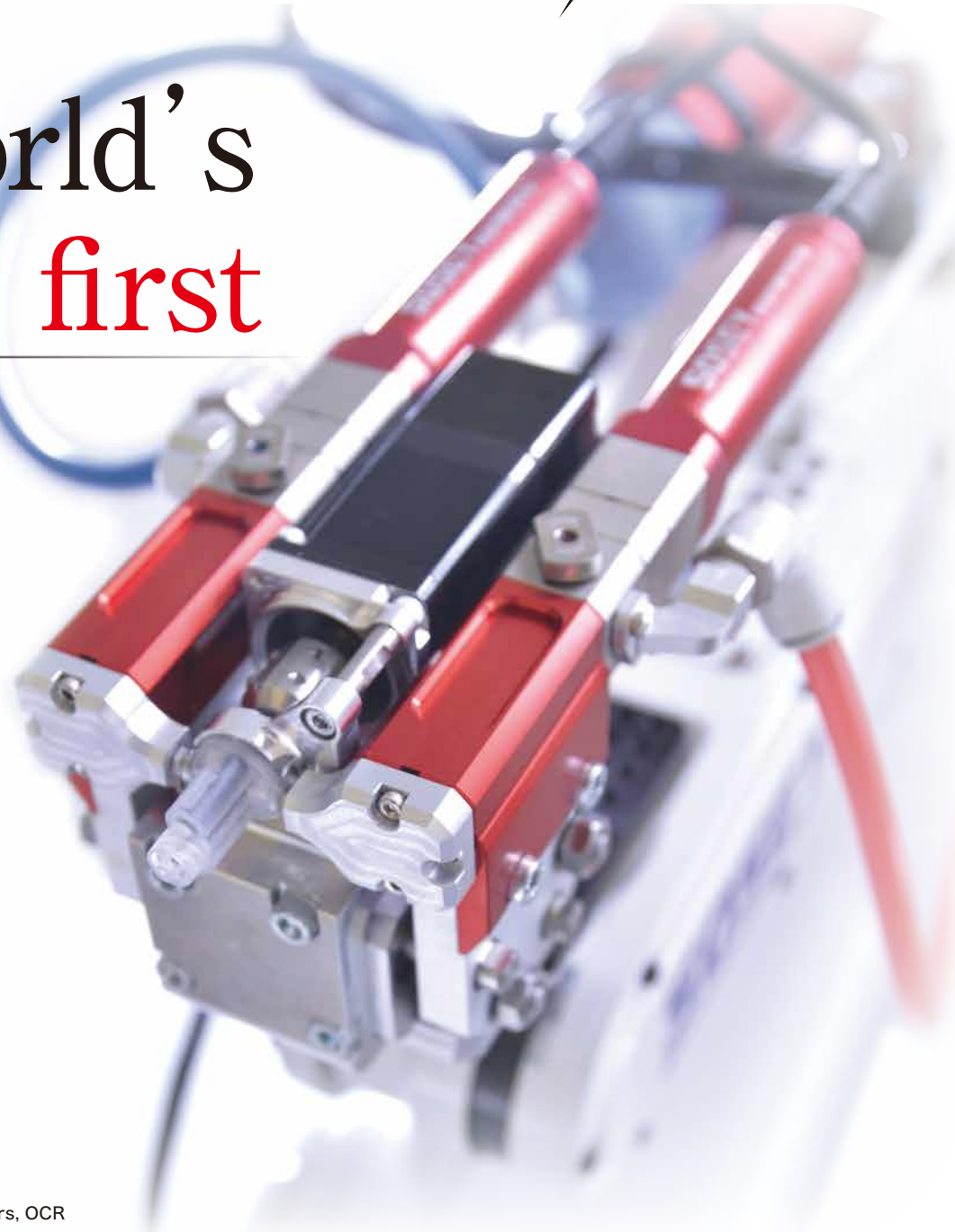



Corresponds to difficult to mix materials

# Next-generation Dynamic Disposer-Mixer

## MRP Mixer

World's  
first

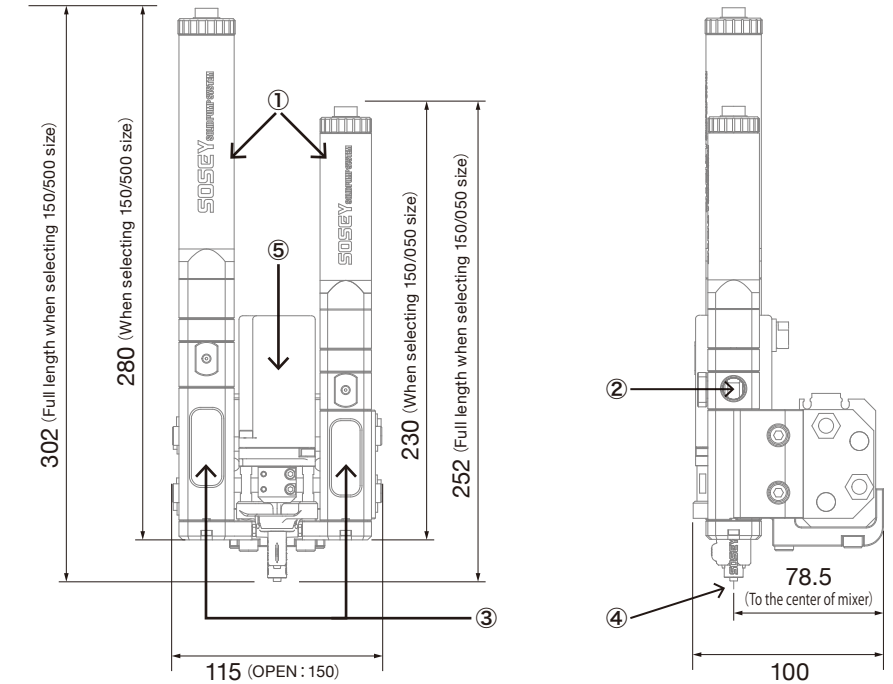


 Use  
Adhesives, gap fillers, OCR

**SUPER SHOT SERIES [MRP Mixer]**

### ■ Dimensions / Part Names (Unit: mm)

- ① Pump drive motor
- ② Material connection
- ③ Metering section
- ④ MRP mixer
- ⑤ Mixer drive motor



### ■ Main Unit Specifications ※Possible to select according to mixture

Name	015	050	150	500
Pump size (one side)	0.015ml/rev	0.050ml/rev	0.150ml/rev	0.450ml/rev
Pump drive motor speed	~120rpm <small>※Differs by material</small>			
Maximum amount dispensed (one side, theoretical value)	0.03ml/s	0.10ml/s	0.30ml/s	0.90ml/s
Minimum amount dispensed (one side, theoretical value)	0.0005ml/s	0.0017ml/s	0.0050ml/s	0.0150ml/s
Dispensing precision	±1% <small>※Differs by material</small>			
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			
Mixer drive motor	Servo motor			
Mixing ratio	100:3~100:100 <small>※Differs by material</small>			
Mixer	MRP mixer internal volume: 1ml			
Unit weight	3.5kg			

### ■ Controller Specifications

Power supply	Single phase 100VAC 50/60 Hz
Power consumption	500W
Dispensed pattern memories	15 patterns*Selectable by external I/O
Operation mode	Timer dispensing / manual (continuous) dispensing / automatic cycle / ratio check
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.

# Next-generation Dynamic Disposer-Mixer

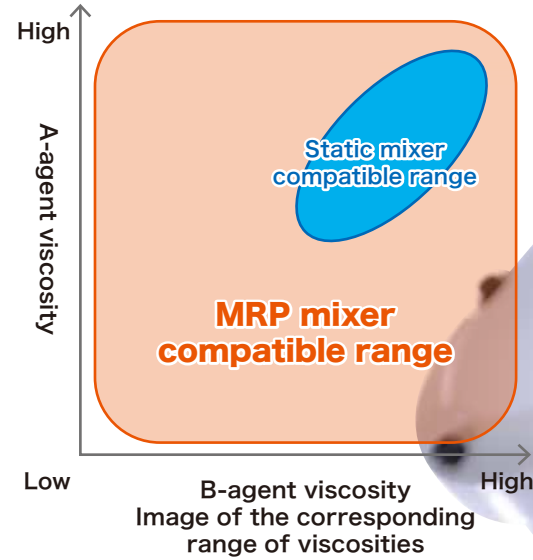
## MRP Mixer

### Next Generation Value I

Now possible to mix materials with widely different mixing ratios and materials with differences in viscosity

【Example of use】  
Adhesive, gap filler, OCR, etc.

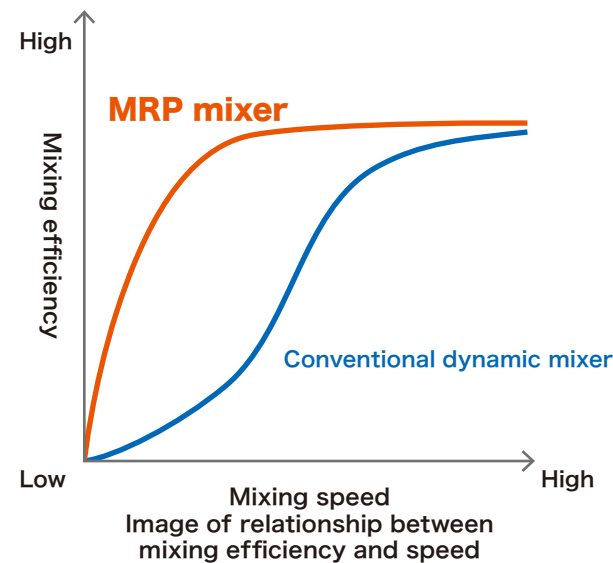
With the new dynamic mixing method, it is possible to use two liquids with wide-ranging mixing ratios and viscosities.  
※See the specifications chart on the back cover for details.



### Next Generation Value II

Achieved high mixing capacity with compact, low speed device

Mixing capacity has significantly improved compared to conventional dynamic mixers. Because of compactness and low speed, the device can be used also for short pot life materials.

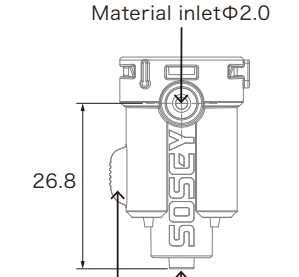
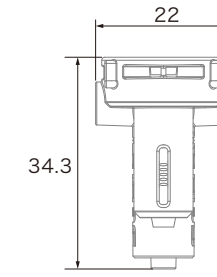


### Next Generation Value III

Non-wash, disposable specifications result in improved productivity.

Disposable type makes daily cleaning unnecessary.  
No problems with the unwashed area seen in the cleaning type

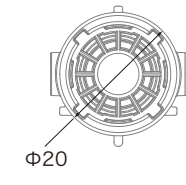
MRP mixer body



Mixing ratio jig



Paused jig



Tab to identify set direction  
Luer lock dispenser inner diameter  $\phi 2.0$



### Next Generation Value IV

Combination with our original high precision solid pump solved a range of problems

Solid pump realized high precision mixing and dispensing materials of wide-ranging viscosity and specific gravities Super lightweight, compact design makes installation on diverse types of robots possible, and we offer solutions that meet your needs.  
※See the specifications chart on the back cover for details.



※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.

