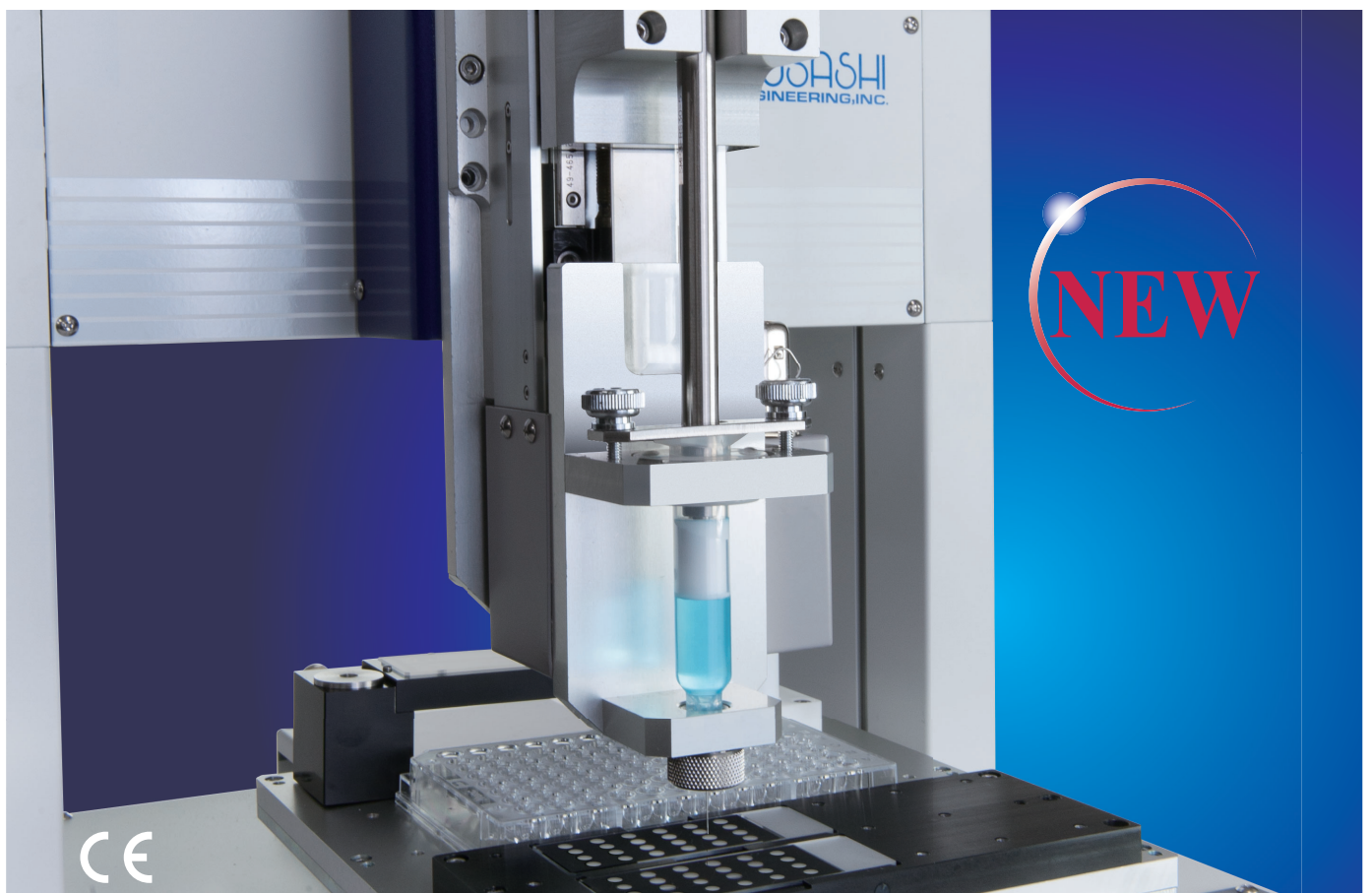


nL Level

Nano-volume, Ultra-High-Precision Dispensing

Additional power for nano-deposit / high-precision dispensing, filling of liquid medicines, solvents and volatile materials



- ◆ **High stability dispensing** by digital control and measurement system.
- ◆ **Elimination of fluid drips issue** by unique plunger mechanism and suck-back function.
- ◆ Also compatible with micro-syringes, for **high-precision dispensing of liquid material nano-deposits**.

Suitable products

LSI, IC, hybrid IC, transistors, diodes, color LCD, PCBs and other types of semiconductors, LCD substrates and electronic components. Products with precision mechanisms such as watches, cameras and optical equipment, as well as medical supplies and foodstuff.

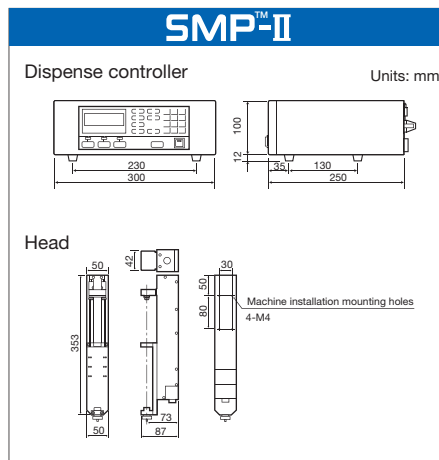
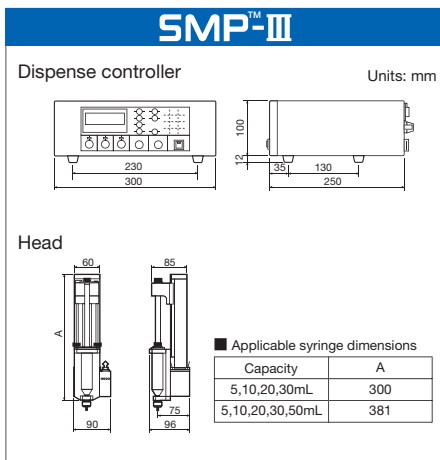
Applications

Nano-deposit filling, micro-deposit dispensing, spot applications, line applications, adhesives, potting, etc.

Specifications

Product name	Nano-volume Quantitative Dispenser NANO MASTER		
Model	SMP-III 30 mL Type	SMP-III 50 mL Type	SMP-II
Dispenser Controller Model	SMP-3-30	SMP-3-50	SMP-2
Dispensing system	SMP3-C		
Control system	Volume measurement system		
Applicable liquid materials	Microcomputer digital control system		
Applicable syringe	Anaerobic adhesive, silicon resin, liquid medicine, UV adhesive, volatile liquid material, flux, ink		
Dispensing modes	0.05, 0.5, 1, 5 or 10 mL micro-syringe 5, 10, 20 or 30 mL syringe	5, 10, 20, 30 or 50 mL syringe	
Dispensing volume setting range	TIMED mode, MANUAL mode, FINE mode/NORMAL mode		
Main functions	Automatic low fluid alarm, suck back, Synchro Speed, dispensing shot counter, stop watch, unit display switch, Japanese-English display switch		
Channel number	400 CH		
RS-232C serial communication	Available		
Input signals	Dispense, channel switching, dispensing mode switching, channel preset, channel step, Synchro Speed ON		
Output signals	Dispensing completion/in-dispensing (selectable), busy, error, remaining volume alert, in-maintenance, in-limit, power on, replacement required, operating direction		
Rated voltage and frequency	AC100-240 V 50/60 Hz		
Power consumption	45 W	55 W	
Conformity standards	CE marking machinery directive (low-voltage directive, EMC directive) EU RoHS		
Dispense head unit dimensions W*D*H	W90.5×D122.5×H300 mm	W90.5×D122.5×H381 mm	W50×D87×H352.5 mm
Weight of dispense head unit	2.3 kg	2.5 kg	1.8 kg
Dispense controller dimensions W*D*H	W300×D250×H111 mm		
Weight of dispense controller	4.5 kg		

External Dimensions



Example of desktop robot installation



Safety precautions
Please read the instruction manual carefully before use to ensure correct and safe usage.

*These specifications are subject to change without any notice.
*The copyright of this catalog belongs to our company. Reproduction and distribution of the pictures, illustrations and any other information in this catalog to any other media without prior written permission are strictly prohibited; doing so will result in copyright infringement.

MUSASHI ENGINEERING, INC. (headquarters) is certified and registered according to the ISO 9001 Quality Management System and the ISO 14001 Environmental Management System.



<http://www.musashi-engineering.co.jp/english/>



Accelonix BV ■ Luchthavenweg 18-b ■ NL-5657 EB Eindhoven
www.accelonix.nl ■ info@accelonix.nl ■ Tel.+31-40-7501650