

SHOTMASTER® 500 Qx-ss SHOTMASTER® 400 Qx-ss SHOTMASTER® 300 Qx-ss SHOTMINI® 200 Qx-ss

The fusion of dispensing "Core" technologies



Rigidity High-speed, stable operations of heavy-duty tools and work pieces

◆ Equipped with SynchroSpeed[™] PAT.P NEW

Achieve a constant drawing width, regardless of robot speed. Reduce takt time to a minimum for ultimate production efficiency

Aiming for higher dispensing quality

Improved linkage with the dispenser

- •Reconfigurable dispense conditions from robots $\fbox{\sc NEW}$
- •Simple test shot for improved dispensing quality **NEW**
- •3D/Spline interpolation
- Nozzle adjuster NEW
 Simple, automatic correction of the nozzle position after syringe replacement

Improved usability

New teaching pendant

- •Interactive navigation NEW
- Easy-to-view, large backlight screen Dual screen for easier programming



- •Inter-robot program copy NEW
- •Embedded Stopwatch NEW
- Japanese, English and Chinese support NEW

Multi-skill support

Enhanced hardware configuration

- •No misalignment and no loss in synchronization **NEW**
- Built-in Brake
 To prevent robot head from falling during emergency stops
- •External input/output: 26 ports NEW
- High-speed USB communication NEW



Specifications

Product Name		SHOTMINI 200 OMEGAX	SHOTMASTER 300 OMEGAX	SHOTMASTER 400 OMEGAX	SHOTMASTER 500 OMEGAX
Model		SM200OMEGAX-3A-SS	SM300OMEGAX-3A-SS	SM400OMEGAX-3A-SS	SM500OMEGAX-3A-SS
Number of controlled axes		3 axes			
Control method (*1)		PTP control, interpolation control			
Travel range	X axis, Y axis	200mm	300mm	400mm	500mm
	Z axis	80mm			
PTP operation speed setting range (*2)	X axis, Y axis	1~500mm/s			
	Z axis	1~400mm/s			
Interpolation operation speed setting range (*2)	X axis, Y axis	0.1~500mm/s			
	Z axis	0.1~400mm/s			
Interpolation		3D line, 3D circular arc / circular, 3D elliptical arc / ellipse, spline			
Repetitive positioning accuracy (*3)	X axis, Y axis	±0.005mm			
	Z axis	±0.005mm			
Transportable weight (*4)	Y axis	20kg			
	Z axis	15kg			
Number of I/O signal points	General input	26 points			
	-purpose output	26 points			
Program entry method		Teaching pendant and PC			
Display language		Japanese, English, Chinese			
Program capacity (*5)		40,000 steps (999 channels)			
Program storage system	Internal	Internal memory			
	External	Backup on PC with dispensing pattern editing software			
Program editing software		MuCAD V (option)			
Rated power supply and frequency		100 to 240VAC 50/60Hz			
Power consumption		130W		180W	
Adaptive fuse		250V T5.0A (φ5×20 mm) time-lag fuse			
External dimensions (*6)		W380×D460×H590mm	W510×D570×H590mm	W610×D670×H590mm	W710×D770×H590mm
Weight		30kg	40kg	55kg	66kg
Other functions		Test shot, eject condition CH switching, SynchroSpeed™, data transfer with teaching pendant			
Other options		Leakage protection box, teaching pendant set, external operation box (horizontal / vertical), work bases, suction box for work bases,			
		holder units, nozzle adjuster, nozzle cleaner, protection cover (door type / optical axis type)			
Compatible standards		CE marking (soon-to-be-released), EU RoHS			

- *1 PTP control: Each of the specified axes moves to the end coordinate at a set speed. Interpolation control: Each of the specified axes moves to the end coordinate at an interpolated composite speed.
- *2 Varies according to factors such as the weight of the object mounted, the object's center of gravity, and the operation performed.
- *3 This value is measured using Musashi's prescribed method (measurement method consistent with JIS).
- *4 When options are not mounted. Varies according to the set speed, set acceleration / deceleration time, and operation mode
- *5 Main routine: 1 to 99CH, Sub routine: 100 to 999CH.
- *6 W and D are the dimensions of the lower section of the case









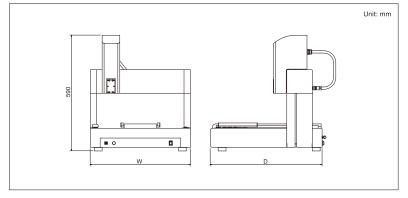
SHOTmini200ΩX

SHOTMASTER300ΩX

SHOTMASTER400ΩX

SHOTMASTER500ΩX

External dimensions



Dispensing pattern editing software Mu

Fusion of UNII dispensing know-h

- · Intuitive program drawing
- Easy editing for beginners
- Support for transferring programs from previous models $(\Omega / DS \text{ series, etc.})$







THAIL AND

TAIWAN



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