

SHOTMASTER $500\Omega_{X}$ -ss shotmaster $400\Omega_{X}$ -ss shotmaster $300\Omega_{X}$ -ss

The fusion of dispensing "Core" technologies



◆ 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 **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**

Image
Recognition
350PC Smart
mountable

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 (φ5x20 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			

- 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.
- Varies according to factors such as the weight of the object mounted, the object's center of gravity, and the operation performed.
- This value is measured using Musashi's prescribed method (measurement method consistent with JIS).
- When options are not mounted. Varies according to the set speed, set acceleration / deceleration time, and operation mode
- Main routine: 1 to 99CH, Sub routine: 100 to 999CH.
- W and D are the dimensions of the lower section of the case

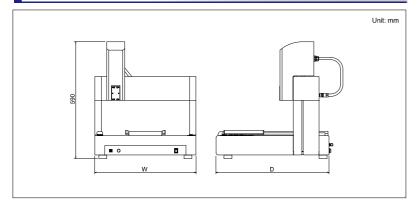








External dimensions



Dispensing pattern editing software Mul

Fusion of **U**N dispensing know-how!

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





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

MUSASHI ENGINEERING INC. is certified and registered according to ISO14001 ENVIRONMENTAL MANAGEMENT.





World Leading Dispenser MUSASHI ENGINEERING, INC.

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