



SHOTMASTER® 500 Qx-ss SHOTMASTER® 400 Qx-ss SHOTMASTER® 300 Qx-ss SHOT mini® 200 Qx-ss

The fusion of dispensing "Core" technologies MUSASHI's desktop robot



Precision High levels of dispensing quality for enhanced yield

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	Improved usability New teaching pendant	Multi-skill support Enhanced hardware configuration	
 Reconfigurable dispense conditions from robots <u>NEW</u> Simple test shot for improved dispensing quality <u>NEW</u> 3D/Spline interpolation Nozzle adjuster <u>NEW</u> Simple, automatic correction of the nozzle position after syringe replacement 	 Interactive navigation NEW Easy-to-view, large backlight screen Dual screen for easier programming Inter-robot program copy NEW 	 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 NEV High-speed USB communication NEV 	
	•Embedded Stopwatch <u>NEW</u> •Japanese, English and Chinese support <u>NEW</u>	Image Recognition 350PC Smart mountable	

Specifications

Product Name		SHOTMINI 200 OMEGAX	SHOTMASTER 300 OMEGAX	SHOTMASTER 400 OMEGAX	SHOTMASTER 500 OMEGA	
Model		SM2000MEGAX-3A-SS	SM300OMEGAX-3A-SS	SM400OMEGAX-3A-SS	SM500OMEGAX-3A-SS	
Number of controlled ax	es	3 axes				
Control method (*1)			PTP control, inte	rpolation 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				
	X axis, Y axis	0.1~500mm/s				
speed setting range (*2)	Z axis	0.1~400mm/s				
Interpolation			3D line, 3D circular arc / circular	, 3D elliptical arc / ellipse, spline		
Repetitive	X axis, Y axis	±0.005mm				
positioning accuracy ("3)	Z axis	±0.005mm				
Tropoportoblo weight (*4)	Y axis	20kg				
Transportable weight (*4) Z axis	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, Eng	glish, Chinese		
Program capacity ("5)		40,000 steps (999 channels)				
Program storage	Internal	Internal memory				
system	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		13	0W	18	W	
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, Synch	roSpeed [™] , data transfer with teachir	ng 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				

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.

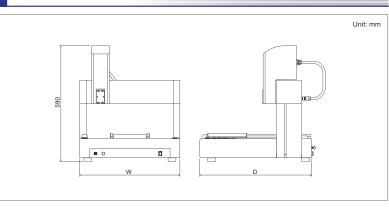
*3 This value is measured using Musashi's prescribed method (measurement method consistent with JIS).

*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

External dimensions



Dispensing pattern editing software MucA va Fusion of **UNTIV** dispensing know-ho

SHOTMASTER400ΩX

· Intuitive program drawing

SHOTmini200ΩX

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

SHOTMASTER300QX



SHOTMASTER500ΩX

MUSASHI ENGINEERING, INC MUSASHI ENGINEEHING, 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/

World Leading Dispenser **MUSASHI ENGINEERING, INC.**

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