



A Fusion of "Core" Dispensing Technologies MUSASHI's motion units

SHOTMASTER 500 Sx-ss SHOTMASTER 400 Sx-ss SHOTMASTER 300 Sx-ss SHOTMINI 200 Sx-ss SHOTMINI 100 Sx-ss



- ◆ 800 mm/s, highest level of operation speed in this class.
- \rightarrow ±0.01 mm repetitive positioning accuracy.
- Newly developed Synchro Speed function. PAT.P

 The line width can be maintained at constant even when moving through a corner.

Maximum reduction in cycle time for the highest production efficiency.

Fully enhanced operability

Multifunction

New type teaching pendant

- Equipped with interactive user-friendly interface
- · Stopwatch function
- Dispensing condition switching function
- Data transfer function between robots
- Available in Japanese, English, and Chinese



Multifunctional machine Substantial hardware configuration

- External input/output:26/26
- **USB port**High-speed communication
- "START" button,
 "STOP" button,
 "RETURN TO ORIGIN" button,
 "DISPENSE" button
- equipped as standardZ-axis brake function

Optional

Nozzle adjuster

Automated nozzle position offset adjustment after syringe replacement.



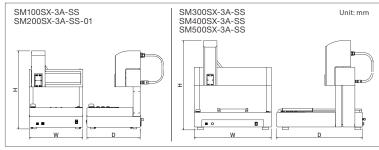
Specifications

Item name		SHOTmini100SX SHOTmini 2		ini 200SX	SHOTMASTER 300SX		SHOTMASTER 400SX		SHOTMASTER 500SX		
Model		SM100SX- 3A-SS	SM200SX- 3A-SS-01	SM200SX- 4A-SS	SM300SX- 3A-SS	SM300SX- 4A-SS	SM400SX- 3A-SS	SM400SX- 4A-SS	SM500SX- 3A-SS	SM500SX- 4A-SS	
Number of axes controlled		3-axis		4-axis	3-axis	4-axis	3-axis	4-axis	3-axis	4-axis	
Travel ranges	X, Y axes	100mm 200)mm	300mm		400mm		500mm		
	Z-axis		50mm		80mm						
	W-axis	-		±360°	-	±360°	_	±360°	_	±360°	
Setting range of PTP operation speed (*1)	X, Y axes				1 to 800mm/s						
	Z-axis	1 to 350mm/s		1 to 250mm/s	1to 400mm/s						
	W-axis	-		1 to 900°/s	-	1 to 900°/s	_	1 to 900°/s	-	1 to 900°/s	
Setting range of interpolation operation speed (*1)	X, Y axes	0.1 to 800mm/s									
	Z-axis	0.1 to 350mm/s		0.1 to 250mm/s	0.1 to 400mm/s						
	W-axis	-		0.1 to 900°/s	-	0.1 to 900°/s	_	0.1 to 900°/s	-	0.1 to 900°/s	
Repetitive positioning accuracy (*2)	X, Y axes				±0.01mm						
	Z-axis	±0.01mm									
	W-axis	-		±0.01°	-	±0.01°	-	±0.01°	-	±0.01°	
Transportable weight (*3)	Y-axis	8kg			15kg						
	Z-axis	2kg	3.5kg	2.5kg	7kg	6kg	7kg	6kg	7kg	6kg	
Rated voltage and	d frequency				A	C100-240V 50/60I	Hz				
Power consumption		100W		120W	200W	220W	200W	220W	200W	220W	
External dimensions (*4) (excluding protrusions)	W	202mm 302		2mm	510mm		610mm		710mm		
	D	290mm 301		mm	570	0mm	670mm		770mm		
	Н	440mm		555mm	590mm	690mm	590mm	690mm	590mm	690mm	
Weight		11kg	13.3kg	15.5kg	37kg	40kg	55kg	58kg	66kg	69kg	

Common specifications

Control n	nethod (*5)	PTP control and interpolation control			
Interpolat	tion	3-D line,3-D circular arc/circle, 3-D elliptic arc/circle, spline			
Number of input/output signal points	General-purpose input	26 points			
	General-purpose output	26 points			
Program	entry method	Teaching pendant, PC			
Language	е	Japanese, English, Chinese			
Program	capacity (*6)	40000 steps (999 channels)			
Program storage system	Internal	Internal memory			
	External	Backup on PC with dispensing pattern editing software			
Program e	diting software	MuCADV (optional)			

External dimensions



- *1 These values vary depending on the operations, the weight and gravity center of the loaded object, or other factors.
- *2 This valve is measured by the method prescribed by Musashi (measuring method in conformity with JIS).
 *3 When options are not mounted. The value varies with setting speed, setting acceleration/deceleration time, and operations.
 *4 W and D are the dimensions of the lower section of the case.
- *5 PTP control: This is control for each specified axis to move to the end coordinates at each speed.
 Interpolation control: This is control for each specified axis to move to the end coordinates at the total interpolated speed.
 *6 Main routine: 1 to 99 CH, Sub routine:100 to 999 CH.



• Raised specifications are also available as standard lineup.



Dispensing pattern editing software MucADV

No.1 dispensing know-how included!

- · Intuitive drawing program
- · Easy editing for beginners
- · Supports program transfer from standard type (such as Ω/DS series)

