

Born from the know-how of a dispenser manufacturer

Desktop/ cartesian robot

A motion unit that "dispenses" the fluid from the dispenser into the required shape. MUSASHI desktop robot and cartesian robot are unrivalled in their unique evolution as dedicated dispensing robots for precision dispensing.



Desktop robot

SHOT mini SHOTMASTER



A desktop type robot that can perform dispensing operations from the day it is delivered. As well as introduction to semi-automatic cell production systems, we can respond to all markets and needs, from R&D to prototype mass production.

Cartesian robot

X CROSS MASTER



Incorporated type cartesian robots that enable the smooth transfer of dispensing processes established with desktop type robots to fully automated equipment and production lines. It implements labor saving, productivity improvement, and quality improvement in the dispensing process.

Choice of two types according to application and use environment

**Sx
SERIES**

High-speed
800 mm/s top level operation speed in desktop class

High Precision
Repetitive positioning accuracy ± 0.01 mm

**Ox
SERIES**

High Rigidity
Fast and stable operation even for heavy tools and workpieces.

High Precision
Class-leading ± 0.005 mm repetitive positioning accuracy



Options for Safety safety cover

Two varieties of safety light curtain type and door type are available. It can be selected according to the application, such as safety and work environment.

All MUSASHI dispensers can be mounted.

Air-pulse dispenser



Super Σ CMIII

JET dispenser



Super Jet 2

Volume measuring Plunger Dispenser



MEASURING MASTER MPP-3

Screw dispenser



SCREWMASTER 3

Volume measuring MOHNO Dispenser



MOHNO MASTER

Fully enhanced operability

Teaching pendant

Robot motion is programmed by inputting the coordinate values of each axis and motion commands. The large backlight screen makes the display easy to view, and the two screen display facilitates programming. Many useful functions such as interactive navigation and a stopwatch function are included. Japanese, English, and Chinese are supported.



Dispensing pattern editing software

MuCAD V

Intuitive editing of dispensing patterns is possible. Easy-to-understand program command icons for beginners to operate, creating free dispensing programming with a CAD like feel. Automatic generation of dispensing programs from DXF data, etc. is also possible.

For details, see →P62

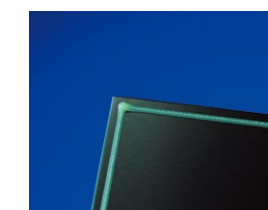


Coordinated with dispenser



Synchro Speed function PAT.

Maintains a fixed line width, regardless of robot speed. Achieves high-quality dispensing automatically, without the need for any complex adjustments.



Right-angle dispensing

Synchro Speed
function ON



Robot with PC control image recognition

IMAGE MASTER 350PC Smart

There is no problem even if individual workpieces have different distortions or warping, or if workpieces are misaligned in the pallet. The dispense machine automatically senses and performs optimal dispensing. In addition, a full production log function monitors the production cycle from workpiece loading to unloading to ensure stable production. A wide variety of other options are available.

For details, see →P60-61



Desktop
mounted type

Cartesian
mounted type

SHOTmini/SHOTMASTER
SX series

MUSASHI's general-purpose
desktop robot, the global de
facto standard.

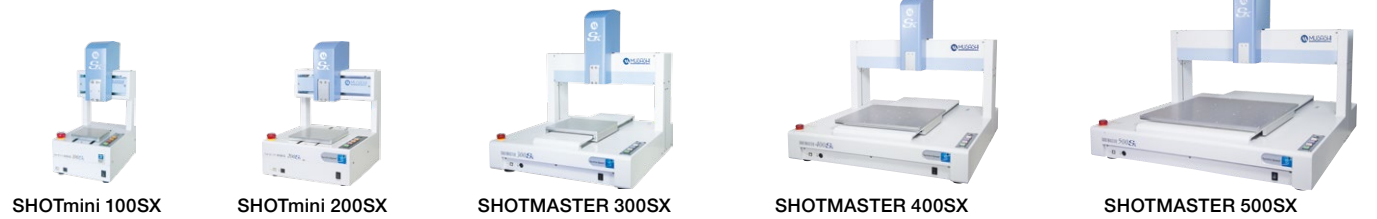


SHOTmini/SHOTMASTER
ΩX series

MUSASHI's general-purpose
desktop robot, the global de facto
standard.



SHOTmini/SHOTMASTER SX series Line up



Specifications

Item name		SHOTmini 100SX		SHOTmini 200SX		SHOTMASTER 300SX		SHOTMASTER 400SX		SHOTMASTER 500SX	
Model		SM100SX -3A-SS		SM200SX -3A-SS-01 -4A-SS		SM300SX -3A-SS -4A-SS		SM400SX -3A-SS -4A-SS		SM500SX -3A-SS -4A-SS	
No. of controlled axes		3-axis		4-axis		3-axis		4-axis		3-axis	
Travel ranges	X-axis, Y-axis	100 mm		200 mm		300 mm		400 mm		500 mm	
	Z-axis	50mm				80mm					
	W-axis	—		±360°		—		±360°		—	
Setting range of PTP operation speed*1	X-axis, Y-axis	1 to 800 mm/s				1 to 800 mm/s					
	Z-axis	1 to 350 mm/s		1 to 250 mm/s		1 to 400 mm/s					
	W-axis	—		1 to 900°/s		—		1 to 900°/s		—	
Setting range of interpolation operation speed*1	X-axis, Y-axis	0.1 to 800 mm/s				0.1 to 800 mm/s					
	Z-axis	0.1 to 350 mm/s		0.1 to 250 mm/s		0.1 to 400 mm/s					
	W-axis	—		0.1 to 900°/s		—		0.1 to 900°/s		—	
Repetitive positioning accuracy*2	X-axis, Y-axis	±0.01 mm				±0.01 mm					
	Z-axis			±0.01 mm				±0.01 mm			
	W-axis	—		±0.01°		—		±0.01°		—	
Loading capacity*3	Y-axis	8 kg				15 kg					
	Z-axis	2 kg	3.5 kg	2.5 kg	7 kg	6 kg	7 kg	6 kg	7 kg	6 kg	6 kg
Rated voltage and frequency		100 W		120 W		200 W		220 W		200 W	
Power consumption		100 W		120 W		200 W		220 W		200 W	
External dimensions*4 (excluding protrusions)	W	202 mm		302 mm		510 mm		610 mm		710 mm	
	D	290 mm		301 mm		570 mm		670 mm		770 mm	
	H	440 mm		555 mm		590 mm		690 mm		590 mm	
Weight		11 kg	13.3 kg	15.5 kg	37 kg	40 kg	55 kg	58 kg	66 kg	69 kg	69 kg

Common specifications

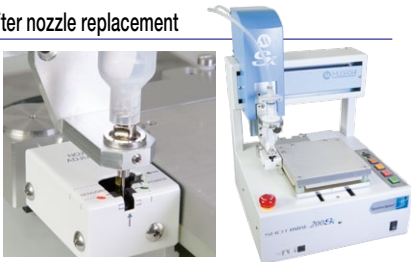
Control system*5		PTP control and interpolation control
Interpolation function		3D line, 3D circular arc/circle, 3D elliptic arc/ellipse, spline
Number of input/ output signal points	General-purpose input	26 points
	General-purpose output	26 points
Program entry method		Teaching pendant, PC
Program display language		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 editing software		MuCAD V (option)

- *1 These values vary depending on the operation, loaded object weight, load center position and other factors.
- *2 This value is measured by the Musashi standards measurement methods (compliant with JIS).
- *3 When options are not installed. 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: Control to move each specified axis to the end-point coordinates at each speed.
Interpolation control: Control to move each specified axis to the end coordinates at the total interpolated speed.
- *6 Main routine: 1 to 99 CH, sub routine: 100 to 999 CH
- * ΩX series has no (motor) step-out specifications.

No need for fine adjustment after nozzle replacement

Nozzle adjuster

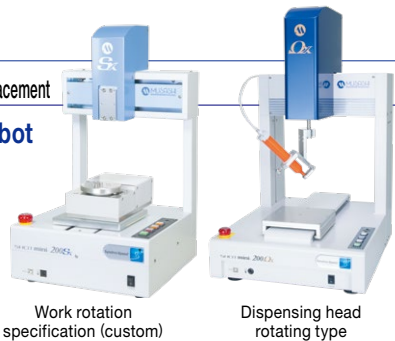
- Automated nozzle position offset adjustment after syringe replacement
- Significant reduction in downtime
- Nozzle position can be adjusted while dispensing program is running



Expanding Work Approachnozzle replacement

4-axis specification robot

- Rotating specifications enable dispensing to every corner, including crevices, outer circumference, and cylindrical sidewalls.
- Select from two types of rotating specifications to suit your application.

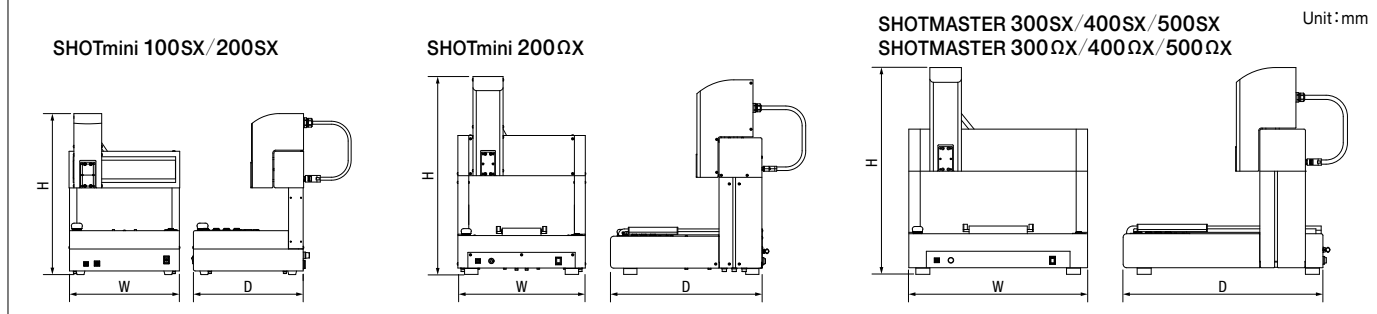


SHOTmini/SHOTMASTER ΩX series Line up



Specifications

Item name		SHOTmini 200ΩX		SHOTMASTER 300ΩX		SHOTMASTER 400ΩX		SHOTMASTER 500ΩX	
Model		SM200OMEGAX -3A-SS -4A-SS		SM300OMEGAX -3A-SS -4A-SS		SM400OMEGAX -3A-SS -4A-SS		SM500OMEGAX -3A-SS -4A-SS	
No. of controlled axes		3-axis		3-axis		3-axis		3-axis	
Travel ranges	X-axis, Y-axis	200 mm		300 mm		400 mm		500 mm	
	Z-axis	80mm							
	W-axis	—		±360°		—		±360°	
Setting range of PTP operation speed*1	X-axis, Y-axis	1 to 500 mm/s							
	Z-axis	1 to 400 mm/s							
	W-axis	—		1 to 900°/s		—		1 to 900°/s	
Setting range of interpolation operation speed*1	X-axis, Y-axis	0.1 to 500 mm/s							
	Z-axis	0.1 to 400 mm/s							
	W-axis	—		0.1 to 900°/s		—		0.1 to 900°/s	
Repetitive positioning accuracy*2	X-axis, Y-axis	±0.005 mm							
	Z-axis	±0.005 mm							
	W-axis	—		±0.01°		—		±0.01°	
Loading capacity*3	Y-axis	20 kg							
	Z-axis	15 kg	12 kg	15 kg	12 kg	15 kg	12 kg	15 kg	12 kg
Rated voltage and frequency		130 W		150 W		180 W		200 W	
Power consumption		130 W		150 W		180 W		200 W	
External dimensions*4 (excluding protrusions)	W	380 mm		510 mm		610 mm		710 mm	
	D	460 mm		570 mm		670 mm		770 mm	
	H	590 mm		690 mm		590 mm		690 mm	
Weight		30 kg	33 kg	40 kg	43 kg	55 kg	58 kg	66 kg	69 kg



Type	Type X, Y stroke	Series	No. of Axes	Extension	SS function
SHOTmini/ SHOTMASTER SX&ΩX Model Identification	SM 200	SX	3A	EXT100	SS
	100:100×100 mm	SX OMEGAX	3A:3-axis	None: Standard height EXT50: +50 mm EXT100: +100 mm	
	200:200×200 mm		3A-Z:3-axis Z-axis reinforcement		
	300:300×300 mm		4A:4-axis		
	400:400×400 mm				
	500:500×500 mm				

*SS: Synchro Speed function
*100×100mm is only for SX *3A-Z is only for 200SX *100SX is 4A, not for bulk

Inline Motion Unit



MUSASHI's cartesian robot for inline production

CROSS MASTER SERIES

RX SERIES

220RX / 230RX / 240RX / 320RX / 330RX / 340RX / 420RX / 430RX / 440RX

Features of the CROSS MASTER RX

Selectable stroke

Select optimum stroke from 9 available combinations.

X-axis stroke

200/300/400

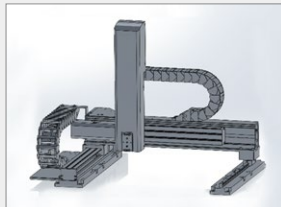
Y-axis stroke

200/300/400



Select from finished product or assembly set

Choose an option to suit your needs.



Finished products with bases



3-axis assembly set

SX SERIES

230SX / 340SX / 460SX / 680SX



QX SERIES

330QX / 440QX / 560QX / 780QX



CROSS MASTER
RX series

Inline Motion Unit
in the new era.



CROSSMASTER RX series Line up



CROSSMASTER 220RX



CROSSMASTER 330RX



CROSSMASTER 440RX



Controller



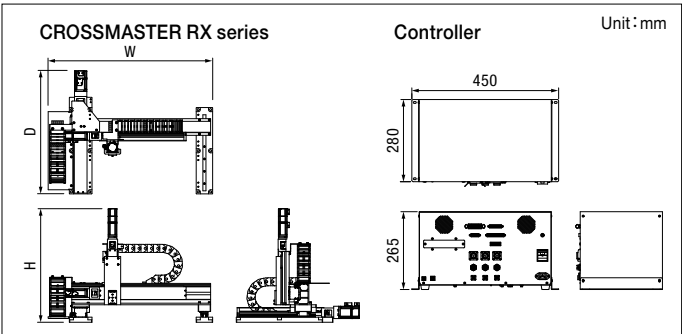
External operation BOX

Specifications

Item name		CROSSMASTER 220RX	CROSSMASTER 230RX	CROSSMASTER 240RX	CROSSMASTER 320RX	CROSSMASTER 330RX	CROSSMASTER 340RX	CROSSMASTER 420RX	CROSSMASTER 430RX	CROSSMASTER 440RX	
Model		XM220RX-3A-L-SBA XM220RX-3A-L-AAS	XM230RX-3A-L-SBA XM230RX-3A-L-AAS	XM240RX-3A-L-SBA XM240RX-3A-L-AAS	XM320RX-3A-L-SBA XM320RX-3A-L-AAS	XM330RX-3A-L-SBA XM330RX-3A-L-AAS	XM340RX-3A-L-SBA XM340RX-3A-L-AAS	XM420RX-3A-L-SBA XM420RX-3A-L-AAS	XM430RX-3A-L-SBA XM430RX-3A-L-AAS	XM440RX-3A-L-SBA XM440RX-3A-L-AAS	
No. of controlled axes		3-axis									
Travel ranges	X-axis	200 mm	200 mm	200 mm	300 mm	300 mm	300 mm	400 mm	400 mm	400 mm	
	Y-axis	200 mm	300 mm	400 mm	200 mm	300 mm	400 mm	200 mm	300 mm	400 mm	
	Z-axis	150 mm									
Setting range of PTP operation speed *1	X-axis, Y-axis	1 to 500 mm/s									
	Z-axis	1 to 300 mm/s									
Setting range of interpolation operation speed*1	X-axis, Y-axis	0.1 to 500 mm/s									
	Z-axis	0.1 to 300 mm/s									
Repetitive positioning accuracy *2	X-axis, Y-axis, Z-axis	±0.005 mm									
Loading capacity *3		7.5 kg									
Rated voltage and frequency		Single phase, AC200-240 V 50/60 Hz									
Power consumption		300 W									
External dimensions (excluding protrusions)	W	SBA	700 mm	700 mm	700 mm	800 mm	800 mm	800 mm	900 mm	900 mm	900 mm
		AAS	684 mm	684 mm	684 mm	784 mm	784 mm	784 mm	884 mm	884 mm	884 mm
	D	SBA	600 mm	700 mm	800 mm	600 mm	700 mm	800 mm	600 mm	700 mm	800 mm
		AAS	595 mm	695 mm	795 mm	595 mm	695 mm	795 mm	595 mm	695 mm	795 mm
	H	SBA	553 mm								
		AAS	528 mm								
Weight	SBA	38 kg	43 kg	48 kg	39 kg	44 kg	49 kg	40 kg	45 kg	50 kg	
	AAS	21 kg	22 kg	23 kg	22 kg	23 kg	24 kg	23 kg	24 kg	25 kg	

Common specifications

Control system*4	PTP control and interpolation control	
3D interpolation function	Line, circular arc, circle, elliptical arc, ellipse, spline	
Number of input/output signal points	General-purpose input	20 points
	General-purpose output	23 points
Program entry method	Teaching pendant, PC	
Program display language	Japanese, English, Chinese	
Program capacity*5	40000 steps (999 channels)	
Program storage system	Internal	Internal memory
	External	Backup on PC with dispensing pattern editing software
Program editing software	MuCAD V (option)	
Controller dimensions	W450×D280×H265 mm (excluding protrusions)	
Weight of dispense controller	15 kg	



Note1: The CROSSMASTER RX series corresponds to industrial robots. Note2: All models have no (motor) step-out specifications.

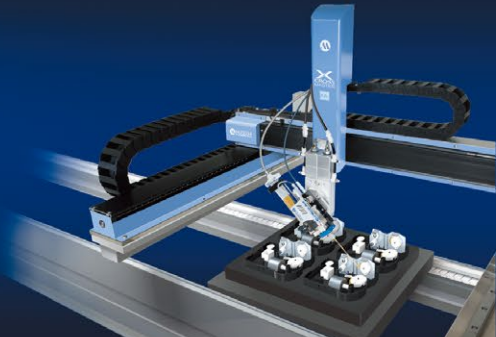
*1 These values vary depending on the operation, loaded object weight, load center position and other factors. *2 This value is measured by the Musashi standards measurement methods (compliant with JIS).
*3 The value varies with setting speed, setting acceleration/deceleration time, and operations.
*4 PTP control: Control to move each specified axis to the end coordinates at each speed. Interpolation control: Control to move each specified axis to the end coordinates at the total interpolated speed.
*5 Main routine: 1 to 99 CH, Sub routine: 100 to 999 CH.

CROSSMASTER RX Model Identification

Type	Type X, Y stroke	Series	No. of Axes	X-axis origin position	Shipping type
XM 220		RX - 3A - L - SBA			
	220:200×200 mm	230:200×300 mm	240:200×400 mm	3A:3-axis	SBA (Finished products with bases) AAS (3-axis assembly set)
	320:300×200 mm	330:300×300 mm	340:300×400 mm		
	420:400×200 mm	430:400×300 mm	440:400×400 mm		



MUSASHI’s dispensing motion unit mountable on automated units.



In-line 3D dispensing, condensed dispensing know-how.



CROSSMASTER SX series Line up



Specifications

Item name		CROSSMASTER 230SX	CROSSMASTER 340SX	CROSSMASTER 460SX	CROSSMASTER 680SX
Model		XM230SX-3A-L-SS XM230SX-3A-R-SS	XM340SX-3A-L-SS XM340SX-3A-R-SS	XM460SX-3A-L-SS XM460SX-3A-R-SS	XM680SX-3A-L-SS XM680SX-3A-R-SS
No. of controlled axes		3-axis			
Travel ranges	X-axis	200 mm	300 mm	400 mm	600 mm
	Y-axis	300 mm	400 mm	600 mm	800 mm
	Z-axis	150 mm			
Setting range of PTP operation speed *1	X-axis	1 to 500 mm/s			1 to 470 mm/s
	Y-axis	1 to 500 mm/s		1 to 1000 mm/s	1 to 830 mm/s
	Z-axis	1 to 300 mm/s			
Setting range of interpolation operation speed *1	X-axis	0.1 to 500 mm/s			0.1 to 470 mm/s
	Y-axis	0.1 to 500 mm/s		0.1 to 999.9 mm/s	0.1 to 830 mm/s
	Z-axis	0.1 to 300 mm/s			
Repetitive positioning accuracy *2	X-axis	±0.01 mm			
	Y-axis	±0.01 mm			
	Z-axis	±0.01 mm			
Loading capacity *3		2.5 kg			
Rated voltage and frequency		Single phase, AC200-240 V 50/60 Hz			
Power consumption		200 W		300 W	
External dimensions (excluding protrusions)	W	565 mm	635.5 mm	760 mm	1052.5 mm
	D	565 mm	651 mm	923 mm	1123 mm
	H	470 mm		490 mm	
Weight		25.5 kg	28.5 kg	44.5 kg	67.5 kg

Common specifications

Control system *4		PTP control and interpolation control
3D interpolation function		Line, circular arc, circle, elliptical arc, ellipse, spline
Number of input/output signal points	General-purpose input	20 points
	General-purpose output	23 points
Program entry method		Teaching pendant, PC
Program display language		Japanese, English, Chinese
Program capacity *5		40000 steps (999 channels)
Program storage system	Internal	Internal memory
	External	Backup on PC with dispensing pattern editing software
Program editing software		MuCAD V (option)
Controller dimensions		W450×D340×H265mm (excluding protrusions)
Weight of dispense controller		18 kg

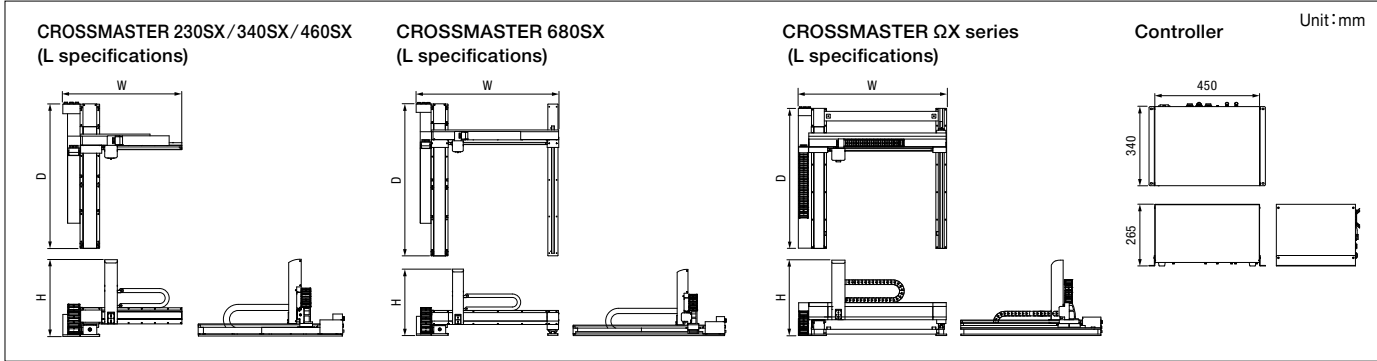
*1 These values vary depending on the operations, weight and center of gravity of the loaded object, and other factors.
*2 This value is measured by the method specified by Musashi (measurement method complies with JIS).
*3 When options are not installed. The value varies with setting speed, setting acceleration/deceleration time, and operations.
*4 PTP control: Control to move each specified axis to the end coordinates at each speed. Interpolation control: Control to move each specified axis to the end coordinates at the total interpolated speed.
*5 Main routine: 1 to 99 CH, Sub routine: 100 to 999 CH.
*The XM460SX series, XM680SX series and XMΩX series correspond to industrial robots.
*All models have no (motor) step-out specifications.

CROSSMASTER OX series Line up



Specifications

Item name		CROSSMASTER 330QX		CROSSMASTER 440QX		CROSSMASTER 560QX		CROSSMASTER 780QX	
Model		XM330OMEGAX-3A-L-SS	XM330OMEGAX-4A-L-SS	XM440OMEGAX-3A-L-SS	XM440OMEGAX-4A-L-SS	XM560OMEGAX-3A-L-SS	XM560OMEGAX-4A-L-SS	XM780OMEGAX-3A-L-SS	XM780OMEGAX-4A-L-SS
		XM330OMEGAX-3A-R-SS	XM330OMEGAX-4A-R-SS	XM440OMEGAX-3A-R-SS	XM440OMEGAX-4A-R-SS	XM560OMEGAX-3A-R-SS	XM560OMEGAX-4A-R-SS	XM780OMEGAX-3A-R-SS	XM780OMEGAX-4A-R-SS
No. of controlled axes		3-axis	4-axis	3-axis	4-axis	3-axis	4-axis	3-axis	4-axis
Travel ranges	X-axis, Y-axis	300×300 mm		400×400 mm		500×600 mm		700×800 mm	
	Z-axis	150 mm							
	W-axis	—	±360°	—	±360°	—	±360°	—	±360°
Setting range of PTP operation speed *1	X-axis, Y-axis	1 to 500 mm/s							
	Z-axis	1 to 400 mm/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-axis, Y-axis	0.1 to 500 mm/s							
	Z-axis	0.1 to 400 mm/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-axis, Y-axis	±0.005 mm							
	Z-axis	±0.005 mm							
	W-axis	—	±0.01°	—	±0.01°	—	±0.01°	—	±0.01°
Loading capacity *3		10 kg	7 kg	10 kg	7 kg	10 kg	7 kg	10 kg	7 kg
Rated voltage and frequency		Single phase, AC200-240 V 50/60 Hz							
Power consumption		300 W	320 W	300 W	320 W	300 W	320 W	300 W	320 W
External dimensions (excluding protrusions)	W	831 mm		931 mm		1031 mm		1239 mm	
	D	671 mm		771 mm		971 mm		1171 mm	
	H	630 mm							
Weight		80 kg	83 kg	91 kg	94 kg	120 kg	123 kg	143 kg	146 kg



Type	Type X, Y stroke	Series	No. of Axes	X-axis origin position	SS function
CROSSMASTER SX&ΩX Model Identification	XM 330				
	230:200×300 mm	SX	3A:3-axis 4A:4-axis	L : Left R : Right	SS
	340:300×400 mm				
	330:300×300 mm	OMEGAX			
	440:400×400 mm				
	460:400×600 mm	OMEGAX			
680:600×800 mm					
Note 1:SS=Synchro Speed function Note 2: 4 A is for ΩX only					

Convenient features of desktop/cartesian robot

Capable of applying a variety of dispensing to workpieces of complex shapes
Three-dimensional circular interpolation and spline operations are also freely available.
Changeable dispensing condition settings according to the dispensing location
Remote control of dispenser dispensing conditions CH during automatic operation.

No mislocation by no (motor) step-out.
Prevents the robot head from falling during emergency stops
Braking function is provided.

Field network is available.
Note: Optional support

Dispensing platform from research and prototyping to mass production

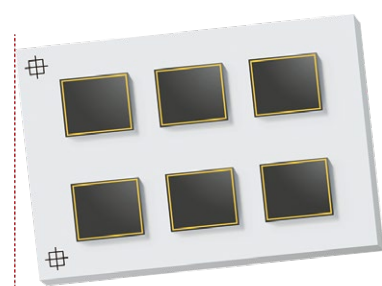
IMAGE MASTER
350PC^{Smart} PAT.



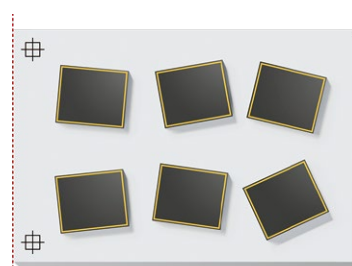
Highly precise positioning

XY Alignment

By image recognition, displacement and inclinations are corrected.



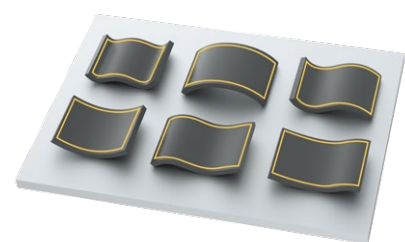
The inclination of the palette



Displacement and inclinations of each workpiece

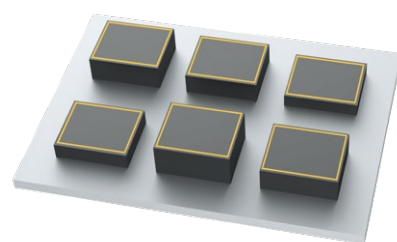
3-D alignment (Profiling)

Correction of distortion and warpage of workpieces



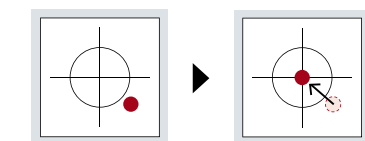
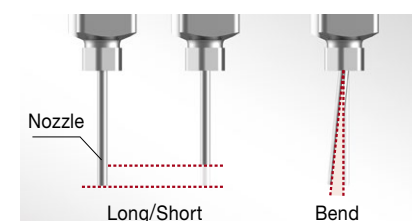
Height correction

Correction of height differences of workpieces

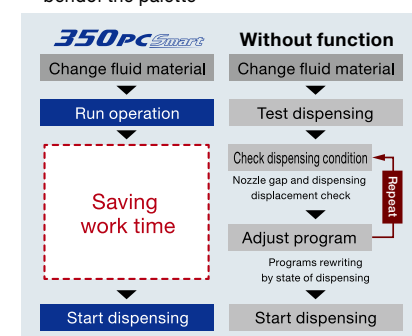


Positioning of the nozzle

When syringes exchanged, differences of the length and the bend of the nozzle are corrected.



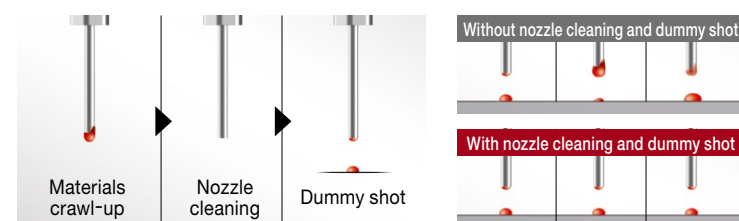
Displacement by the bend of the palette After correction



High-quality dispensing

Nozzle cleaning and dummy shot

By removing crawled up materials, materials shape of the nozzle end is kept fixed.

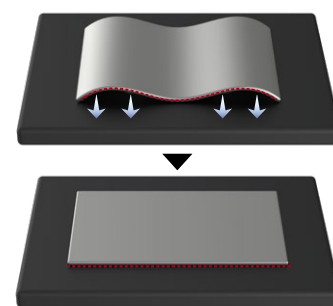


Syringe temperature control Option

By image recognition, displacement and inclinations are corrected.

Workbase with workpiece suction Option

Workpiece suction correct * warpage and prevent workpiece disposition throughout dispensing operation.



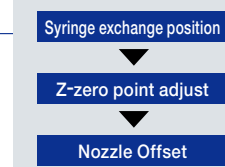
Workpieces are fixed by sucking through stage suction holes.

*The effect depends on the workpiece material.

Usability

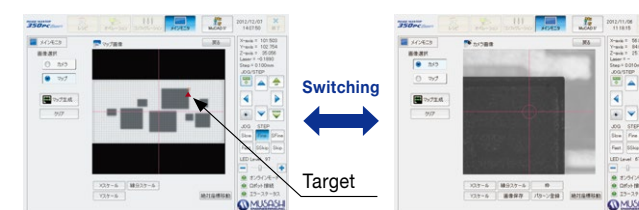
Easy setup

Syringe exchange: Easy setup by just following Wizards.



Camera teaching

Dispensing start position, points, lines are set by click with the vision of live image of workpieces.



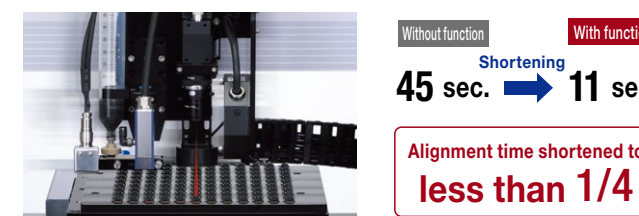
Target setting on the map screen.

Coordinates registration by focusing on dispensing position.

Reduced cycle time

Mu SKY Capture Option

Nonstop image recognition archives remarkable shortening of alignment time.



Alignment time shortened to less than 1/4

Communication function with Dispensers Option

350PC Smart enables full control of dispenser settings. Pressure, dispensing time, etc. can be set.

*It depends on types of dispensers.

Length measurement/dispensing pattern trace function

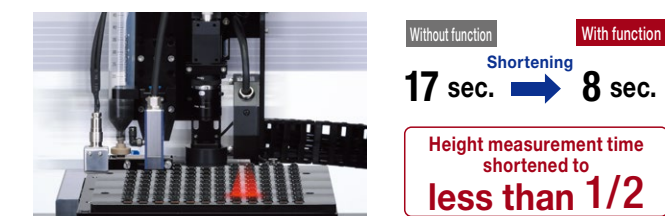
It's possible to measure and observe after dispensing.



Dimension measuring screen

Mu SKY Sensing Option

Significantly shortens the height measurement time.



Height measurement time shortened to less than 1/2

Useful options

•Code reading function

Automatically switch recipes by a barcode or a QR code.

•Automatic dummy shots function

Automatic dummy shots during standby period.

•Shape search function

Corrects rotational disposition of circular parts.

•Rotating table

The work piece can be rotated and dispensed at a certain angle.

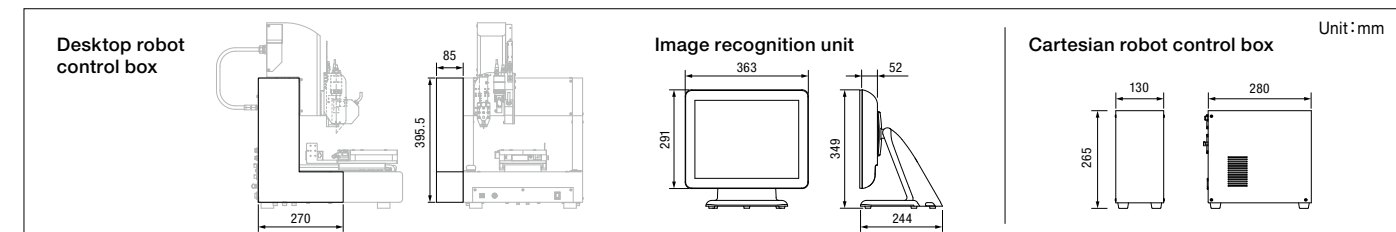
•Stage temperature control

Workpieces can be heated.

•2 individual heads function

2 different dispensers can be applied.

■ External dimensions



Note: Options may be available for a fee. Please contact our sales department.

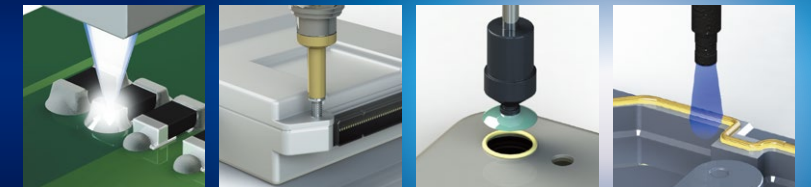
Complex dispensing operations can be programmed quickly and intuitively.

MuCAD V

PAT.



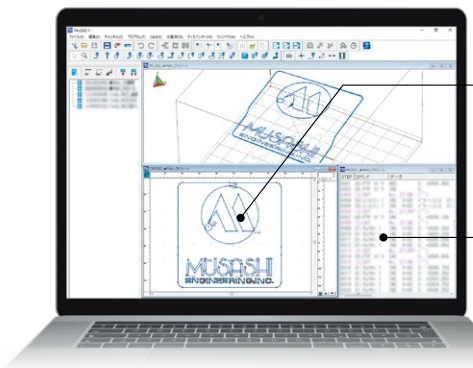
Various applications in accordance with your requirements



Intuitive editing of dispensing patterns

Concentration of No.1 dispensing know-how

- Program command icons that are easy to understand even for beginners.
- Freely apply programming as if it were CAD.
- An application program is automatically generated from DXF data, etc.



CAD

Drawing input
 Programming by "drawing" with mouse dragging

Line
 Dotting
 Spline
 Fill
 Coating and more

Useful functions Generates multiple zigzag array program
 Works straight away with various work layouts. Includes "copy/rotate/flip" function for dispensing programs.

Rotate / duplicate

PG

Command input
 Create accurate programs by entering values

Automatically generates programs.

An application program is automatically generated from Gerber data.

Automatic program creation also available with other data types

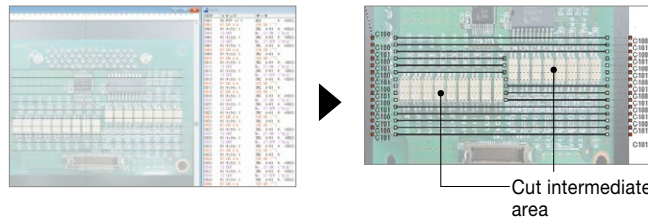
Program creation from DXF data

Program creation from coordinate data

Useful functions to reduce editing time

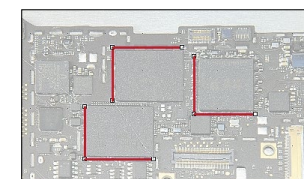
Cut out dispensing prohibited areas

- Includes cut intermediate dispense area function to separate dispensing into dispense areas and prohibited areas.



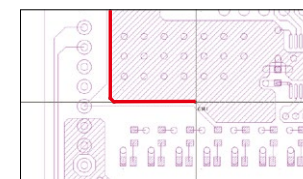
Load sketch function

JPEG / BMP



If you import a work photo, you can enter a coating pattern using the image as a base.

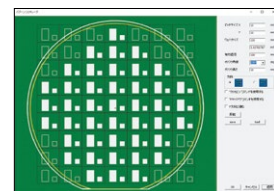
DXF / Gerber data



An application program is automatically generated from DXF / Gerber data.

Pattern generator function

- Configure any device layout on wafers.
- Helps to reduce programming time significantly.



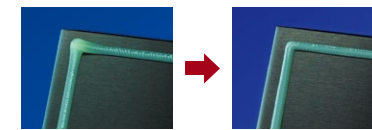
Drawing by hand function

- Programs can be created intuitively by hand (free line drawings).



Synchro Speed function PAT.

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



System requirements

OS	Windows 11, Windows 10, Windows 8.1
CPU	32-bit (x86) or 64-bit (x64) processor, 2 GHz or faster
Memory	1 GB or more
Display	Resolution of XGA (1024 × 768) or higher
Hard disk	Free space of 100 MB or more
USB port	USB port ×1 (CROSSMASTER QX/RX/SX series, SHOTMASTER QX/SX series)
Serial port	Serial port ×1 (SHOTMASTER Q/DS/DSS series, SHOTMINI 100S-3A-01) • When connecting a dispenser, another serial port ×1/unit is required. • USB serial converter is available.
Applicable robots	CROSSMASTER QX/RX/SX series, SHOTMASTER QX/SX series, SHOTMASTER Q/DS/DSS series, SHOTMINI 100S-3A-01



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Laser welding + Solder dispensing

DISPENSE LASER MASTER



New innovation of soldering responding to the needs of various component mountings.

Screw tightening + Threadlocker dispensing



Fast takt time and yield improvement for locking PCB and case.

Pick & Place + Adhesive dispensing



All-in-one system for parts fixing and assembly processes.

UV irradiation + UV adhesive dispensing



High-precision control of UV curing quality.

Dispensing failure inspection + Dispensing



Minimizes production line including inspection function.

Deburring robot



Solves unstable manual process and promote manpower saving.

Evaluation robot



For automation of long-term running tests such as sensitivity and durability evaluation.

Code printing robot



Achieves high-speed and high quality code printing.

Rotary dispensing system CIRCLE MASTER



One-touch execution of circumferential dispensing. Two types are available: head tilting type and workpiece rotating part tilting type.