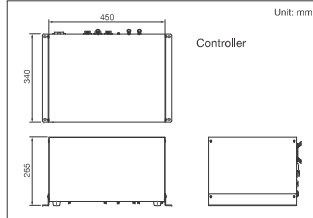
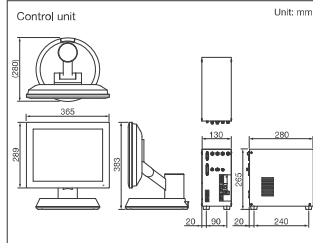
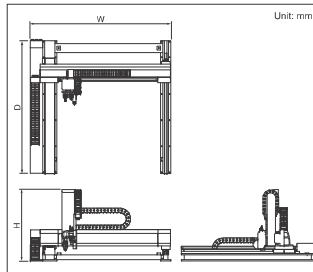


## Specifications

Product name		350PC Smart.XMΩX			
Model		350PCS-XM OMEGAX			
Number of controlled axes		3 axes			
Control method		PTP control/interpolation control			
Working area X*Y		300×300 mm	400×400 mm	500×600 mm	700×800 mm
Working area Z		150 mm			
PTP operation speed setting range	XY	1 to 500 mm/s			
	Z	1 to 400 mm/s			
Interpolation operation speed setting range	XY	0.1 to 500 mm/s			
	Z	0.1 to 400 mm/s			
Repetitive positioning accuracy X/Y/Z		±0.005 mm			
Tool payload		8.7 kg			
Number of signal points	General-purpose input	19			
	General-purpose output	12			
Program capacity		300 recipes, 40,000 steps (999 channels)			
Program editing software		MuCAD™V			
Software display language		Japanese/English/Chinese/Korean			
Main functions		3D alignment, work height measurement, nozzle height detection, offset, nozzle gap correction, automatic focus, log			
Interpolation		3D line, 3D circular arc/circular, 3D elliptical arc/ellipse, spline			
Options		Teaching pendant set, external operation box, holder units, signal tower, dispenser connection cable			
Rated voltage and frequency		Single phase, AC200-240 V, 50/60 Hz			
Power consumption		420 W			
Conformity standards		CE-marking (Machinery Directive, EMC Directive), EU RoHS			
Main unit dimensions (excluding protrusions)	Width (W)	831mm	931mm	1031mm	1239mm
	Depth (D)	671mm	771mm	971mm	1171mm
Height (H)		630mm			
Main unit weight		80kg	91kg	120kg	143kg
Controller dimensions (excluding protrusions)		W450×D340×H265 mm			
Weight of dispense controller		18 kg			
350PCS control box dimensions (excluding protrusions)		W130×D280×H265 mm			
Weight of 350PCS control box		4.3 kg			

## Outside drawings



**⚠ Safety precaution**  
Make sure to read the instruction manual before you use the unit, for your safety.

\* We reserve the right to change the specifications without notice.  
\* All copyrights are retained by MUSASHI ENGINEERING. Reprinting, reproducing, and/or transmitting as electronic data in whole or in part these material without prior written permission is strictly prohibited.



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

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

**HEAD OFFICE**  
6-7-4, Shimorenjaku, Mitaka, Tokyo, 181-0013, Japan TEL : (81)422-76-7111 / FAX : (81)422-76-7122  
**BRANCH**  
TOKYO, OSAKA, NAGOYA, SENDAI, FUKUOKA, SAITAMA, NAGANO, EAST-KANTO, AKITA, KANAZAWA

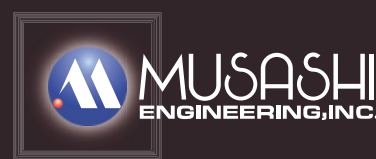
autorisierter Vertriebspartner für Deutschland  
**ATN Automatisierungstechnik Niemeier GmbH**



Segelfliegerdamm 94-98  
D-12487 Berlin, Germany

Tel.: ++49 30 565 9095-0  
Fax: ++49 30 565 9095-60

mail: info@atn-berlin.de  
web: www.atn-berlin.de



Cartesian robot with PC control image recognition  
**IMAGE MASTER™**  
**350PC Smart XMΩX**

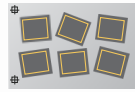
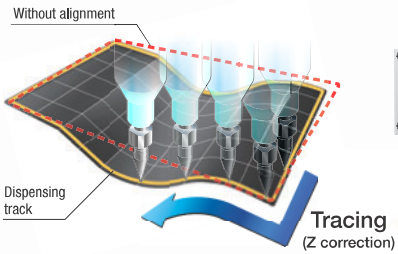


The fusion of dispensing "core" technologies  
**Inline 3D dispensing brings better quality!**

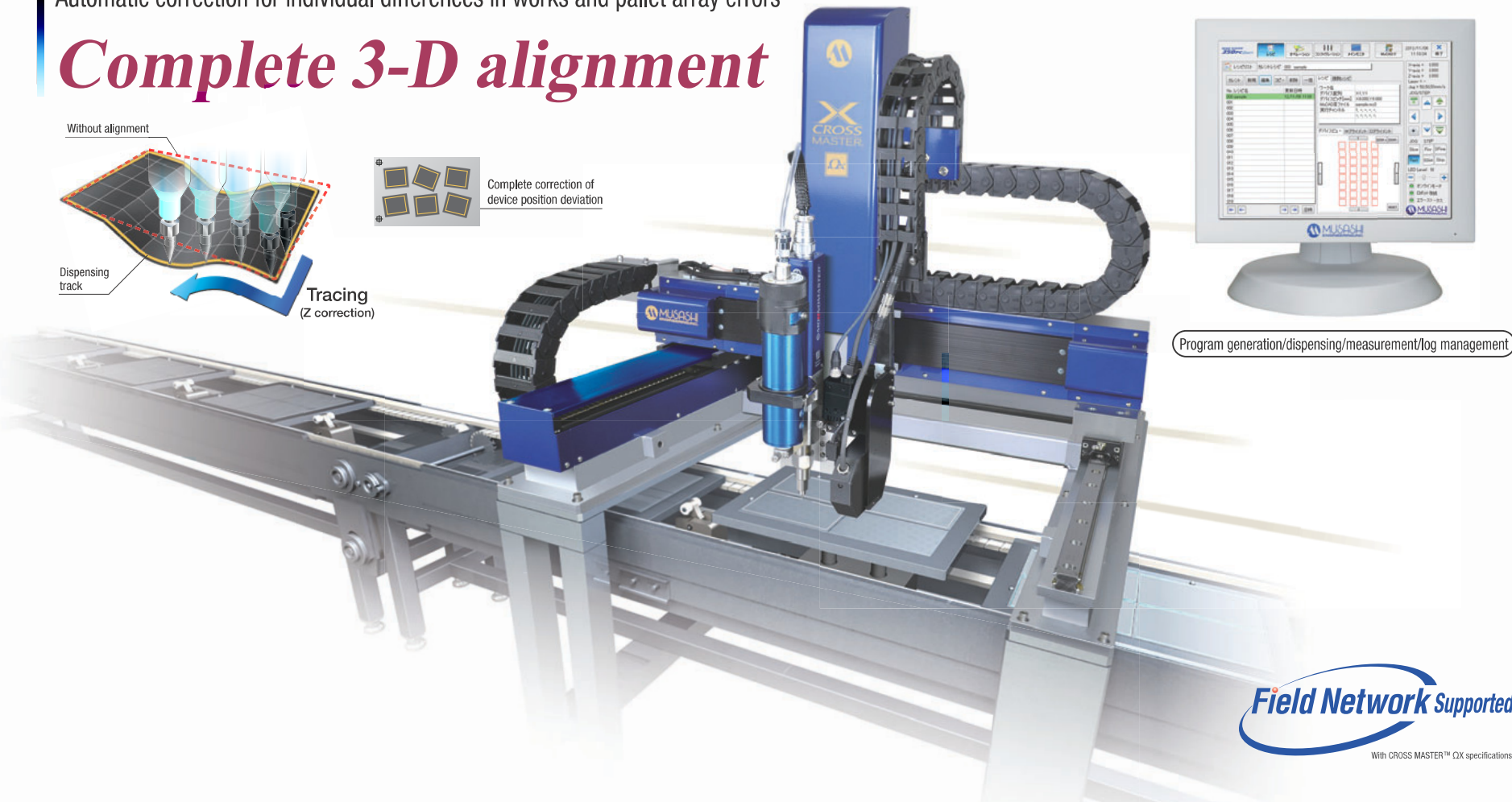


Automatic correction for individual differences in works and pallet array errors

# Complete 3-D alignment

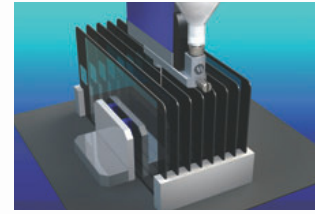


Complete correction of device position deviation

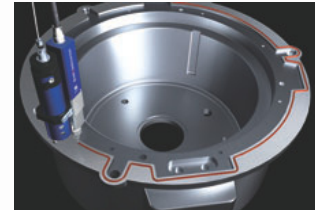


Program generation/dispensing/measurement/log management

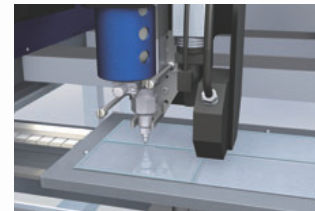
## Applications



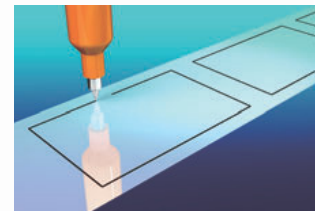
Dispensing on glass sides



Dispensing gaskets on motors



OCR dam dispensing



Dispensing adhesive on film



## ◆ Yield improvement thanks to high-quality dispensing

Class-leading  $\pm 0.005$  mm repetitive positioning accuracy

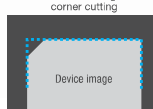
Support for various work shapes

Edge-detection function

NEW

Position of works can be adjusted using image processing in a broader range of conditions, including works that could not be detected previously.

Devices with irregular corner cutting



Coordination with dispenser

SynchroSpeed™ function

NEW

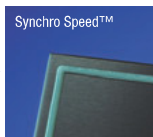
PAT.P

Achieve a constant drawing width that is independent of robot speed. High-quality dispensing is implemented without the need for complicated adjustments.

Conventional tech.



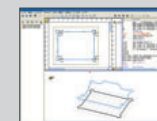
Synchro Speed™



Right-angle dispensing

### Dispensing pattern editing software MuCAD™

- Switch product types instantly.
- Displayable DXF and Gerber file
- Automatically generates array program
- Automatically generates chip patterns on a wafer
- Easily divides into paint and no-paint areas



### Multi-skill support

#### Enhanced hardware components

- No misalignment by closed loop control
- Prevents the robot head from falling during emergency stops
- Full connectivity, with 19 input and 12 output signals **NEW**
- Fast communication with **MuCAD™** **NEW**

### Aiming for higher dispensing quality

#### Strengthened linkage with the dispenser

- Able to dispense any complex shapes
- Available to change the dispensing condition setting for each dispensing point
- Eliminates dif cult adjustment to help improve productivity

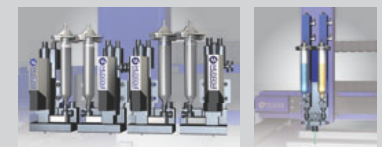
### Improved operability

#### New teaching pendant

- Easy to transfer programs to multiple robots **NEW**



### Allows mounting of multiple dispensing units



With CROSS MASTER™ QX specifications