

NEW

NACHI

Smaller size reduces foot print with the compact controller

CFDs controller



More Flexibility in layout

- Compact robot controller. With a lightweight design that can be installed anywhere, it can be placed vertically and stacked

Volume: 12.4L
60%↓
reduction compared to conventional controller (CFD)

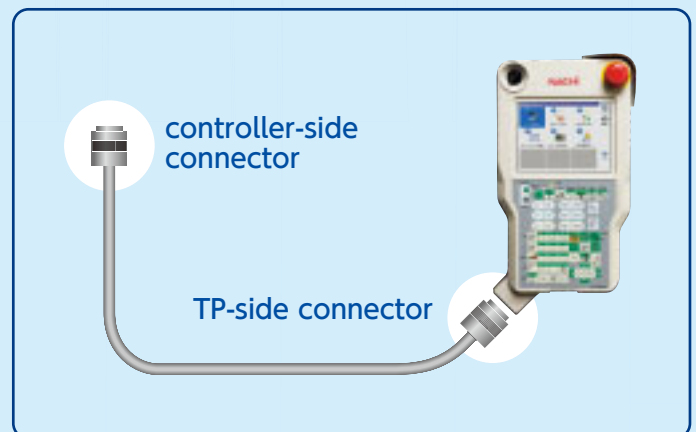
Installation area: 775cm²
57%↓
reduction compared to conventional controller (CFD)

Weight: 8.9kg
48%↓
reduction compared to conventional controller (CFD)

Stacking Vertical installation
Stacking and vertical installation **available**

Easy and comfortable operation

- Comfortable operation by the easy-to-grip teach pendant with high-resolution touch panel and optimal control by 4-core CPU
- The teach pendant and cable both have connectors and can be replaced independently
- Now easier to use with software (UI) improvements



High expansibility

- Additional 1 axis for servo hand + other additional 1 axis, up to additional 2 axes control available (option)

NEW CFDs controller

Controller specification

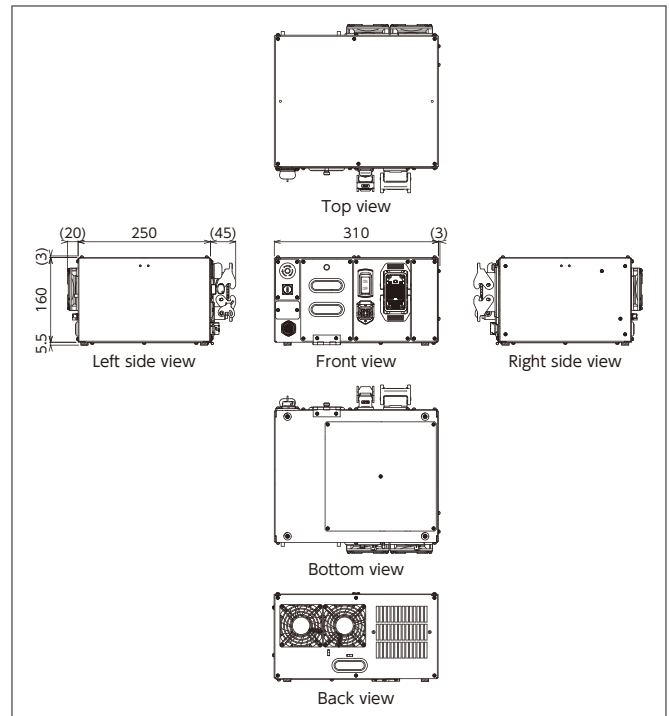
Item	Specification
Controller axis	Simultaneous 6 axes (maximum 8 axes as option)
Servo motor	AC servo motor
Position reader	Absolute encoder
Programming language	Teaching playback
Program number	9,999 programs
Memory capacity	32GB CFast card Approx. 2.24GB available for customer use.
Memory system	Flash memory
External memory device	USB memory (as option)
Operating panel	Mode select switch (teach/playback), Emergency stop button
Safety function	PLd (category 3)
Cables to robot	Standard cable length: 2m (connector specification)
Protection class	IP20 equivalent (Clean room specification is standard. Can be changed to dust-proof and moisture-resistant specification (IP54) as option.)
Primary power supply	Single-phase AC200V - 230V +/- 10%, 50/60Hz, D grounding Consuming power while power saving: 0.09kVA*1
Ambient temperature	0 - 40 degree (50/60Hz)
Ambient humidity	20 - 85% (no dew)
External dimension (mm)*2	W310 * D250 * H160 (Does not include fan motor, switches, connectors)
Weight (mm)*2	Approx. 8.9kg
Color	Munsell N1.5 (black)

*1 : In power saving, the servo motor power is turned off temporary and the robot arm is held by brake.
*2 : External dimension and weight may vary based on options.

Teach pendant specification

Item	Specification
Display	5.7 inches VGA color LCD, Touch panel
Language	Japanese (kanji, hiragana, katakana, alphabet, number) English/Chinese/Korean/German/Italian/Spanish/Taiwanese
Enable switch	3 position enable switch (left hand)
Control function	Axis control keys, number input keys, select/function key, motor on key, emergency stop button
External memory interface	USB memory port
Cable length	4m, 8m, 15m, 20m, 25m (connector specification)
Protection class	IP65 equivalent
External dimension (mm)	W163 * D353 * T74.5
Weight	0.9kg

External dimension



Applicable robot

MZ01 MZ03EL MZ04
MZ07 MZ07L MZ10
EZ03 EC06



NACHI

NACHI-FUJIKOSHI CORP.

www.nachi.com

Head Office Shiodome Sumitomo Bldg. 17F, 1-9-2 Higashi-Shinbashi, Minato-ku, Tokyo 105-0021
Robot Division 1-1-1 Fujikoshi-Honmachi, Toyama 930-8511, JAPAN

Tel: +81-(0)3-5568-5111
 Tel: +81-(0)76-456-2223

Fax: +81-(0)3-5568-5206
 Fax: +81-(0)76-493-5252

NACHI ROBOTIC SYSTEMS INC.
NACHI MEXICANA, S.A. DE C.V.
NACHI EUROPE GmbH
NACHI TECHNOLOGY (THAILAND) CO., LTD.
PT.NACHI INDONESIA
NACHI-FUJIKOSHI (CHINA) CO., LTD.

Michigan, U.S.A.
 MEXICO
 GERMANY
 THAILAND
 INDONESIA
 CHINA

Tel: +1-248-305-6545
 Tel: +52-442-153-2424
 Tel: +49-(0)2151-65046-0
 Tel: +66(38)961679
 Tel: +62-021-527-2841
 Tel: +86-(0)21-6915-2200

Fax: +1-248-305-6542
 Fax: +52-442-153-2435
 Fax: +49-(0)2151-65046-90
 Fax: +66(38)961683
 Fax: +62-021-527-3029
 Fax: +86-(0)21-6915-5427

<http://www.nachirobotics.com>
<http://www.nachi.com.mx/>
<http://www.nachi.de/>
<http://www.nachi.co.th/>
<http://www.nachi.co.id/>
<https://www.nachi.com.cn/>

●The specifications are subject to changes without notice.
 ●In case that an end user uses this product for military purpose or production of weapon, this product may be liable for the subject of export restriction stipulated in the Foreign Exchange and Foreign Trade Act. Please go through careful investigation and necessary formalities for export.

CATALOG NO. **R7407E-2**

2022.03.X-ABE-ABE