



Almega Friendly series II

Medium Class Robot with built-in cable

NEW

FD-B26



Reduces cable interference

New type with built-in cable for medium class robots
Useful in a variety of automation situations!

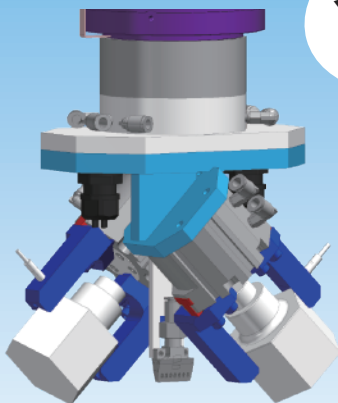
Handling is also available

Best for integrated wiring and piping for applications
Applicable to a wide range of hand tools!

Various applications

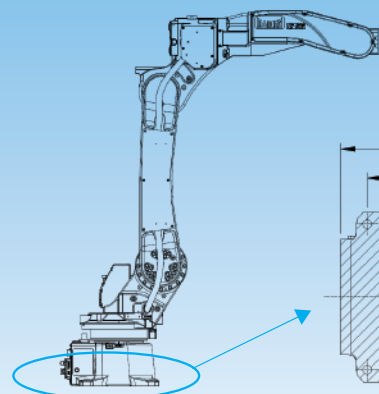
Enough payload of 26 kg to attach various tools
such as welding and handling!

* Suitable for hand switching by water-cooled torch with sensor,
double hand, tool changer, etc.

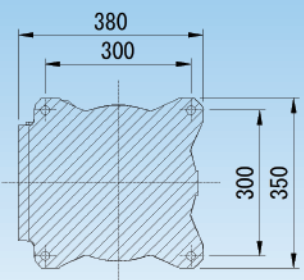


Variety hand
tools of 26kg

Compatible with double hand
Reduce cycle time and improved productivity!



Built-in cable+
space-saving
design



Space saving with slim design in addition to built-in cable
Ideal for high-density line construction!

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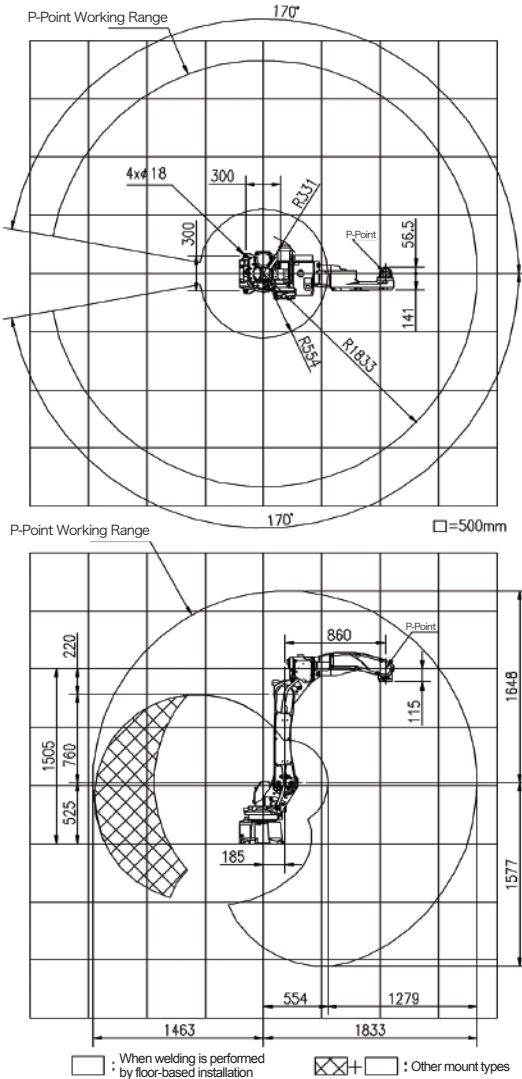
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< Manipulator Working range >



< Manipulator Specifications >

Item		Specifications	
Name		NB26	
Structure		Vertical articulated type	
Number of axis		6	
Max. payload capacity		26kg	
Positional repeatability		+/- 0.04 mm (Note 1)	
Drive system		AC Servo motor	
Drive capacity		5,800 W	
Position feedback		Absolute encoder	
Working range	Arm	J1 (Revolving)	+/- 170° (+/- 50°) (Note 2)
		J2 (Fore/Back)	-155°~ +100°(Note 3)
		J3 (Up/Down)	-170°~ +250°(Note 4)
	Wrist	J4 (Swing)	+/- 170° (+/- 155°) (Note 5)
		J5 (Bending)	-45°~ +225°(Note 6)
		J6 (Twist)	+/- 360° (+/- 205°) (Note 5,6)
Max. velocity	Arm	J1 (Revolving)	3.75 rad/s {215°/s} (3.05 rad/s {175°/s}) (Note 2)
		J2 (Fore/Back)	3.49 rad/s {200°/s}
		J3 (Up/Down)	4.45 rad/s {255°/s}
	Wrist	J4 (Swing)	7.85 rad/s {450°/s}
		J5 (Bending)	7.68 rad/s {440°/s}
		J6 (Twist)	10.82 rad/s {620°/s}
Wrist load	Allowable Moment	J4 (Swing)	56.4 N *m
		J5 (Bending)	56.4 N *m
		J6 (Twist)	26.8 N *m
	Allowable moment of inertia	J4 (Swing)	1.37 kg*m ²
		J5 (Bending)	1.37 kg*m ²
		J6 (Twist)	0.37 kg*m ²
Arm operation cross-sectional area		6.03 m ² × 340°	
Ambient temperature and humidity		0 ~ 45°C, 20 ~ 80 %RH (No condensation)	
Mass (weight)		257kg	
Upper arm payload capacity		10 kg (Note 7)	
IP Code		IP54 equivalent (J1~4 Axis), IP65 equivalent (J5, J6 Axis)	
Installation type		Floor, ceiling hanging type	
Paint color		White (Munsell 10GY9/1)	

Notes

- The value of the positional repeatability is at the tool center point (TCP) compliant to ISO 9283.
- The value in the parentheses indicates the wall-hung condition.
- There are occasions where restrictions can be made to the operation range of the J2 axis when the wall-hung condition.
- The operation range of the J3 axis is restricted to -170 degrees to +190 degrees when floor-based welding is applied.
- The value given in () presents for the case that coaxial power cables are let into the centrum of J4 and J6 axis (-N / -C).
- There are occasions where restrictions can be made to the operation range of the J6 axis, depending on the J5 axis' s posture.
- The upper arm movable mass changes depending on the wrist movable mass.
- The positional data of absolute encoder is backed up by the battery. The battery backup period with the primary power OFF is approx. 3 years.
Exceeding this period will require the battery replacement and the absolute offset adjustments.
- The battery backup period may be shorter depending on the environmental conditions, the use conditions and so on.
- A holding brake is provided in all axes.

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Daihen Robot Site

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Note This product and the technologies (including software) used in the product are subject to Catch-All Controls. When exporting any of them, verify the users, applications, etc. according to the applicable laws and regulations and take appropriate procedures such as applications for export permission to the Minister of Economy, Trade and Industry if required.

●The information contained in this catalog is current as of July 2023 and is subject to revision without notice.

CAT NO.R21710 Aug 2023