



Almega Friendly series II
Multipurpose Robot
NEW FD-V8H
Multipurpose specification



**Fast, Slim,
User-Friendly**

**Improved with all
performances!**



**Max. payload 8kg.
Ideal for the
high-speed operation.**

PICKING	SPOT WELDING
CUTTING	Used for... ASSEMBLY
LOAD/ UNLOAD	FINISHING
ARC WELDING	SORTING

Improved with all performances!

Fast

Industry leading level speed.
Reduce cycle time

Slim

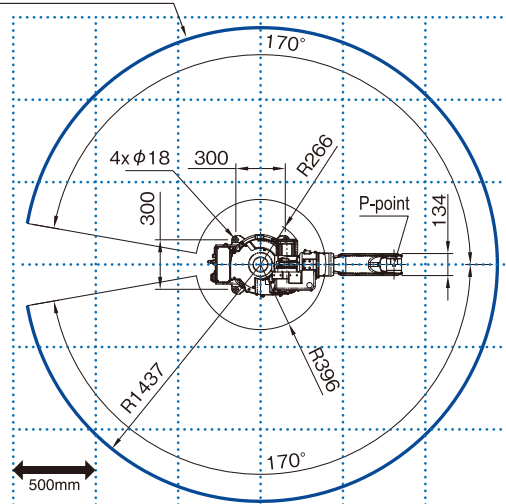
High-density layout

User friendly

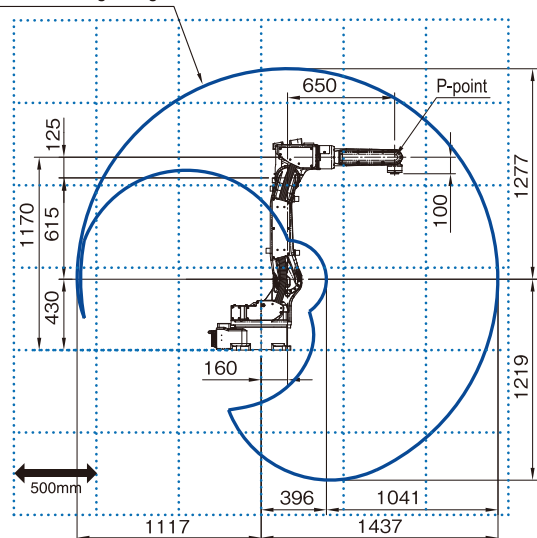
Built-in application cable for
various hand tools.

[Manipulator Working Range]

P-point Working Range



P-point Working Range



□ : For welding applications when floor-mounted
⊠+□ : For other than the above

[Manipulator Specifications]

	Specification
Name	FD-V8H
Structure	Vertically articulated type
Number of Axes	6
Wrist Capacity	8 kg
Positional Repeatability (Note 1)	±0.08mm (Note 1)
Driving Method	AC servo motor
Driving Capacity	3016W
Positional Feedback	Absolute encoder
Working Range	Arm
	J1 (Rotation)
	J2 (Front/back)
	J3 (Up/down)
	Wrist
	J4 (Swing)
Maximum Speed	Arm
	J1 (Rotation)
	J2 (Front/back)
	J3 (Up/down)
	Wrist
	J4 (Swing)
Wrist Allowable Load	Allowable Moment
	J4 (Swing)
	J5 (Bending)
	J6 (Twist)
	Allowable Moment of Inertia
	J4 (Swing)
Arm Cross-sectional Area	
Environmental Conditions	
Mass (weight)	
Capacity of Upper Arm	
Installation Method	
Paint Color	

(Note 1) Positional repeatability of the tool center point (TCP) value complies with the JIS -B-8432 Standard.
(Note 2) Specifications for wall mounting appear in parentheses.
(Note 3) The working range of the J2 axis may be restricted when wall-mounted.
(Note 4) The capacity of the upper arm varies with the wrist capacity.

DAIHEN Corporation

4-1, Koyochi-nishi, Higashinada-ku, Kobe, Hyogo 658-0033, Japan
Phone: (Country Code 81) 78-275-2006
Fax: (Country Code 81) 78-845-8159

Daihen Robot Site

www.daihen-robot.com/en/

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 April 2021 and is subject to revision without notice.

CAT No.R21689B