

Collaborative Robot

Human-Friendly Collaborative Robot



CADA

Status Indication Lamp

ANDA

Makes it possible to check the operation status of the robot from a distant location

Operation Performance

Excellent operation even in a narrow area

Switches Switches in consideration of UX and a personalized button setting are supported

Hand Grip Optimized grip for direct teaching

Air Hose Two built-in air hoses, making tool installation more convenient



Specifications of the Collaborative Robot

reddot award 2019 best of the best



YL012

Model

Payload	kg			
Operation Rad	mm			
Degree of Fre	Axes			
Installation Me	ethod			
Max.	S	0		
Operation Range	Н			
	V			
	R2			
	В			
	R1			
Maximum	S	°/s		
Speed	Н			
	V			
	R2			
	В			
	R1			
Allowable	R2	kgf∙m		
Torque for the Wrist	В			
Axis	R1			
Degree of Rep	mm			
Operating Ten	°C			
Weight	kg			
IP Grade				

5		
916		
6		
Anywhere	e(Floor, Ceili	ing, Wall)
±180		
+270 ~ -9	0	
±180		
±180		
±180		
±180		
180		
180		
180		
180		
180		
180		
4.9		
2.7		
2.8		
±0.1		
0~45		
27		

12 1,305 6 Anywhere(Floor, Ceiling, Wall) ±180 +270 ~ -90 ±180 ±180 ±180 ±180 180 125 180 180 180 180 5.0 5.6 2.8 ±0.1 0~45 43

YL015

15
963
6
Anywhere(Floor, Ceiling, Wall)
±180
+270 ~ -90
±180
±180
±180
±180
180
125
180
180
180
180
5.0
5.6
2.8
±0.1
0~45
42
IP54

Controller

Size	WxHxD	mm	260 x 490 x 510
Weight		kg	27
IP Grade			IP20
I/O - flange	Digital		8 In / 8 Out
	Analog		2 In / 2 Out
I/O Power Supply			24 V Max. 2A
Input Power		VAC	100~240 (50~60Hz)
Fieldbus/UI			PROFINET IO, EtherNet/IP, EtherNet(TCP/IP), PROFIBUS, DeviceNet, CANOpen, CC-Link, CC-Link IE Field, EtherCAT, MODBUS/TCP

IP54

Cooperative Robot Eco System



End Effector

- Provides tools of various payloads that can be applied to various applications
- \cdot Simple programming and easy installation
- · Data for modification will be provided to improve compatibility

* Optional item that needs to be purchased additionally



Mobile Cart

- Makes it unnecessary to perform the base work prior to the installation of the robot and helps secure an operation platform
- Makes it convenient to install and store the controller, T/P, and various peripheral devices
- \cdot Makes it simple to rearrange the layout and adjust the height
- Makes it possible to set the T/P position according to the customer's viewing angle, freeing both hands of the operator
- * Optional item that needs to be purchased additionally



Starter Kit

- Basic subsidiary materials necessary for installation will be provided.
- Basic cables (for I/O and EtherCAT) will be provided for interface with the end effector.



CNC Machine Tending







Air Blowing



Assembly (Screw, Gear)



Polishing & Deburring



Gluing/Bonding







Plastic Injection Assistance

H-JAOP



Packaging & Palletizing



Press Forming Assistance



Inspection



Welding



Service

Features of the Robot



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