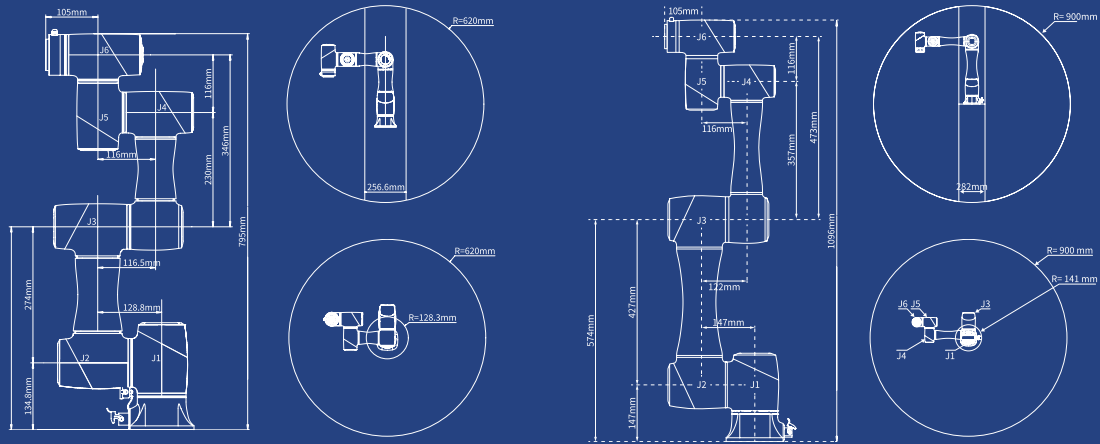
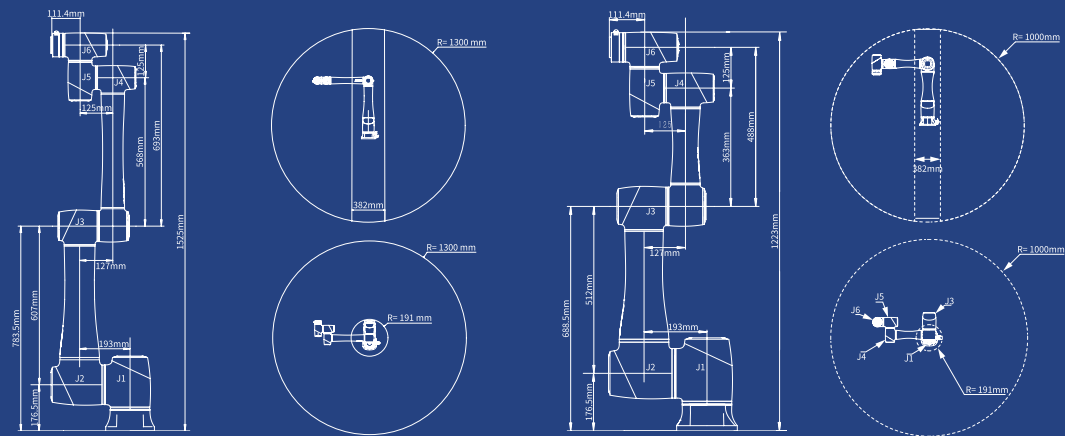


# Working Range



CR3

CR5



CR10

CR16



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Disclaimer: Product images and case information are for reference only, goods in kind prevail







## CR COLLABORATIVE ROBOT SERIES


# CR Collaborative Robot Series



## Specifications

Model					
		CR3	CR5	CR10	CR16
Weight		16.5kg	25kg	40kg	40kg
Rated Payload		3kg	5kg	10kg	16kg
Reach		620mm	900mm	1300mm	1000mm
Rated Voltage		DC48V	DC48V	DC48V	DC48V
Max. Speed of TCP		2m/s	3m/s	4m/s	3m/s
Joint Ranges	J1	±360°	±360°	±360°	±360°
	J2	±360°	±360°	±360°	±360°
	J3	±155°	±160°	±160°	±160°
	J4	±360°	±360°	±360°	±360°
	J5	±360°	±360°	±360°	±360°
	J6	±360°	±360°	±360°	±360°
Max. Speed of Joints	J1/J2	180° /s	180° /s	120° /s	120° /s
	J3/J4/J5/J6	180° /s	180° /s	180° /s	180° /s
End-Effector I/O Interface	DI/DO/AI	2			
	AO	0			
Communication Interface	Communication	RS485			
Controller I/O	DI	16			
	DO/DI	16			
	AI/AO	2			
	ABZ Incremental Encoder	1			
Repeatability	±0.02mm	±0.02mm	±0.03mm	±0.03mm	
Communication	EtherCAT				
IP Rating	IP54				
Temperature	0°C~ 45°C				
Power Consumption	120W	150W	350W	350W	
Materials	Aluminum alloy, ABS plastic				
Humidity	95%RH(Non-condensing)				
Noise	Less than 65 dB				

## Controller Specifications

Model	
CC16X	
Size	360mm(Length)*160mm(Width)* 402.4mm(Height)
Weight	12kg
Controlled Axes	6 Axes + External Expansion Axes
Power Input	Single Phase 110V/220V AC, 7.5A, 50/60HZ
Power Output	48V,20A
Supported Motor Power (Max)	-
Braking Resistors	Four, 17W, 10Ω
Supported Types of Encoders	-
Communication Interface	TCP/IP,Modbus TCP,WIFI,EtherCAT(for External Axes),Ethernet
I/O Interface	16 Digital Outputs
	16 Digital Inputs/Outputs (Multiplexing)
	2 Analog Outputs (Voltage: 0V-10V, Current: 4mA-20mA)
	2 Analog Inputs (Voltage: 0V-10V, Current: 4mA-20mA)
	1 Incremental Encoder ABZ Input
Method of Teach & Playback	Hand-Held Teach Pendant/APP
Programming Language	Script
	Graphical Programming(Blockly)
Installment	Floor
Environment	Temperature: 0°C ~45°C ,Humidity: ≤95%,No Condensation
Protection Rating	IP20
Cooling Method	Forced-Air Cooling
Safety Features	Emergency stop function, reserved external security interface that can be controlled by I/O interface
Indicator	The indicator light will be steady red when the power is on; the indicator light will be off when the power is off.
Maintenance	Diagnostic Software Tool
	Power-off Zero Save
	Reserve Remote Service