

JAKA Zu Collaborative Robots

Ease of Integration

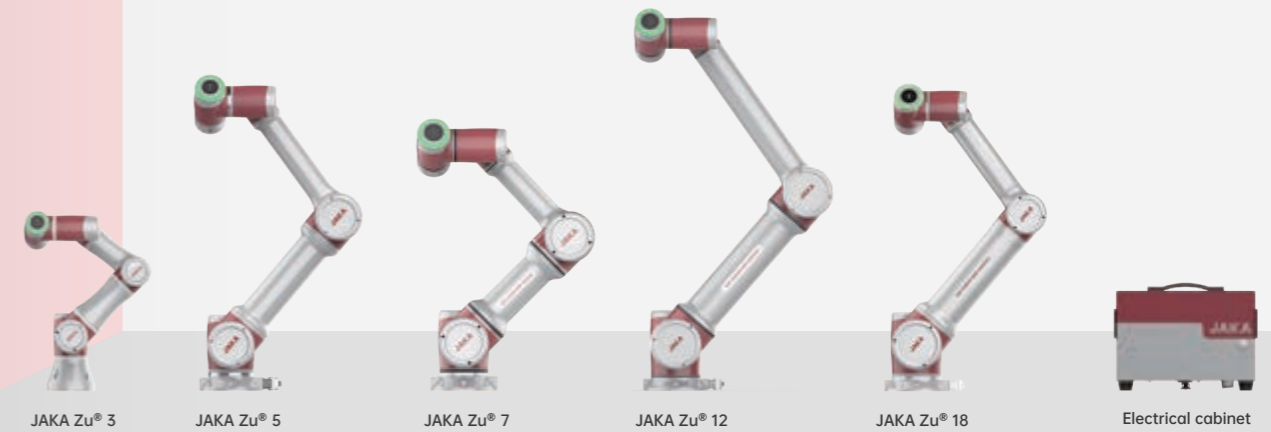
- Plug-and-play
- Simple deployment
- Small footprint

Ease of Use

- In-built torque feedback module
- Drag teaching
- Graphic programming

High Precision

- Excellent repeatability
- Great accuracy
- MTBF 50,000 hours



	Product parameters		JAKA Zu® 3		JAKA Zu® 5		JAKA Zu® 7		JAKA Zu® 12		JAKA Zu® 18	
	Product features	Maximum payload		3kg		5kg		7kg		12kg		18kg
Weight			12kg		23kg		22kg		41kg		35kg	
Working radius			626mm		954mm		819mm		1327mm		1073mm	
Repeatability			±0.02mm		±0.02mm		±0.02mm		±0.03mm		±0.03mm	
Number of axis			6		6		6		6		6	
Programming			Drag teaching and graphic programming		Drag teaching and graphic programming		Drag teaching and graphic programming		Drag teaching and graphic programming		Drag teaching and graphic programming	
Teaching pendant			PC, mobile (PAD/mobile)		PC, mobile (PAD/mobile)		PC, mobile (PAD/mobile)		PC, mobile (PAD/mobile)		PC, mobile (PAD/mobile)	
Working range and speed	Robot joint	Working range	Maximum speed	Working range	Maximum speed	Working range	Maximum speed	Working range	Maximum speed	Working range	Maximum speed	
	Joint 1	±360°	180°/s	±360°	180°/s	±360°	180°/s	±360°	120°/s	±360°	120°/s	
	Joint 2	-85°, +265°	180°/s	-85°, +265°	180°/s	-85°, +265°	180°/s	-85°, +265°	120°/s	-85°, +265°	120°/s	
	Joint 3	±175°	180°/s	±175°	180°/s	±175°	180°/s	±175°	120°/s	±175°	180°/s	
	Joint 4	-85°, +265°	220°/s	-85°, +265°	180°/s	-85°, +265°	180°/s	-85°, +265°	180°/s	-85°, +265°	180°/s	
	Joint 5	±360°	220°/s	±360°	180°/s	±360°	180°/s	±360°	180°/s	±360°	180°/s	
	Joint 6	±360°	220°/s	±360°	180°/s	±360°	180°/s	±360°	180°/s	±360°	180°/s	
Maximum speed of the tool end	/	1.5m/s	/	3m/s	/	2.5m/s	/	3m/s	/	3.5m/s		
Specifications	Power consumption	150W		350W		350W		500W		600W		
	IP classification	IP54		IP54		IP54		IP54		IP54		
	Tool I/O ports	Digital input 2		Digital input 2		Digital input 2		Digital input 2		Digital input 2		
		Digital output 2		Digital output 2		Digital output 2		Digital output 2		Digital output 2		
		Analog input 1		Analog input 1		Analog input 1		Analog input 1		Analog input 1		
Base diameter	129mm		158mm		158mm		188mm		188mm			
Electrical cabinet	IP classification	IP44		IP44		IP44		IP44		IP44		
	I/O ports	16 digital inputs, 16 digital outputs, 2 analog inputs or outputs		16 digital inputs, 16 digital outputs, 2 analog inputs or outputs		16 digital inputs, 16 digital outputs, 2 analog inputs or outputs		16 digital inputs, 16 digital outputs, 2 analog inputs or outputs		16 digital inputs, 16 digital outputs, 2 analog inputs or outputs		
	Communication	TCP/IP, Modbus TCP, Modbus RTU, Profinet, Ethernet/IP		TCP/IP, Modbus TCP, Modbus RTU, Profinet, Ethernet/IP		TCP/IP, Modbus TCP, Modbus RTU, Profinet, Ethernet/IP		TCP/IP, Modbus TCP, Modbus RTU, Profinet, Ethernet/IP		TCP/IP, Modbus TCP, Modbus RTU, Profinet, Ethernet/IP		
	Power	100-240VAC, 50-60Hz		100-240VAC, 50-60Hz		100-240VAC, 50-60Hz		100-240VAC, 50-60Hz		100-240VAC, 50-60Hz		
	Size	410×307×235 (mm) (W×H×D)		410×307×235 (mm) (W×H×D)		410×307×235 (mm) (W×H×D)		410×307×235 (mm) (W×H×D)		410×307×235 (mm) (W×H×D)		
	Weight	13.5kg		15.4kg		15.4kg		18kg		18kg		