

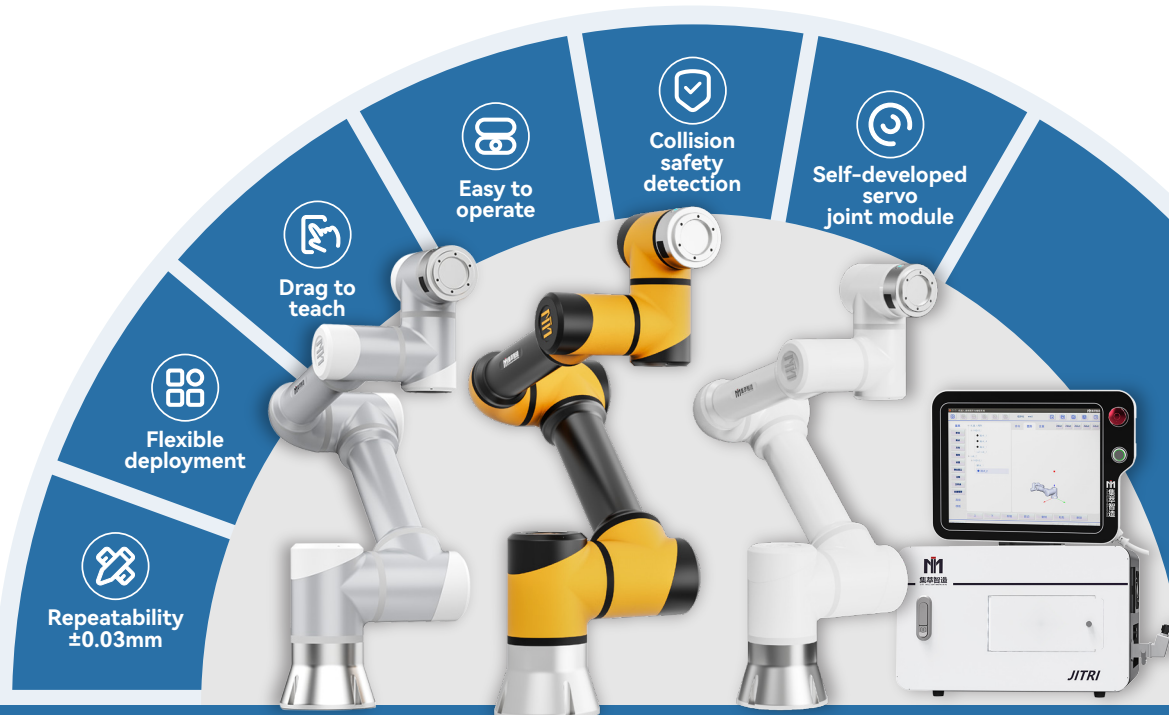


Scan code to watch case videos

**Quality-  
Comprehensive improvement**

**Technology-  
Deep Breakthrough**

**Scene-  
Deep expansion**



# THIRD GENERATION COLLABORATIVE ROBOT

Full coverage of load and working range; repeat positioning accuracy  $\pm 0.03\text{mm}$ , absolute positioning accuracy  $0.1\text{mm}$ ; working speed increased by 20%.

## Quality assurance

Professional testing of core components

Products have passed multiple certifications

More than 30 key parts verified

## Faster

Work speed increased by 20%

6 degrees of freedom trajectory planning optimization

Application tempo is greatly improved

## More powerful functions

Terminal integrated 485 communication

Added end drag teaching and record point button

Terminal integrated analog output



## Robot cloud platform

Supports access to all models of Jicui intelligent robots, universal mobile chassis, disinfection robots, cleaning robots, and collaborative robots. It can record the robot's work operation data throughout its life cycle, remotely view the robot's working status, and achieve cloud management.



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Official Website

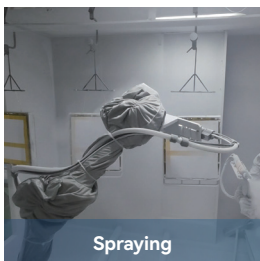
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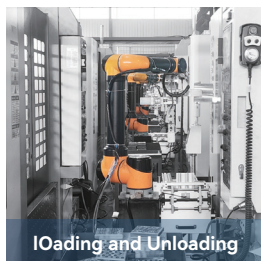
## Product Parameters

Product basic parameters	Product number	IIMT-CI-03	IIMT-CI-05	IIMT-CI-10	IIMT-CI-16	IIMT-CI-20
	Weight	13kg/28.7lb	20.4kg/44.9lb	32kg/70.5lb	50kg/110lb	64kg/141.1lb
	Payload	3kg/6.6lb	5kg/11lb	10kg/22.1lb	16kg/35.3lb	20kg/44.1lb
	Reach	600mm/23.6"	900mm/35.4"	1300mm/51.2"	1500mm/59"	1650mm/64.9"
	Repeatability	±0.03mm	±0.03mm	±0.05mm	±0.05mm	±0.05mm
	Degrees Of Freedom	6 rotating joints				
	Programming	Teach pendant graphical programming, handheld PAD programming, lua script programming, C/C++ programming, Python programming, SDK library, ROS system supported.				
Movement speed and range	Max Joint Speed	180°/s	180°/s	180°/s	180°/s	1, 2 joint 90°/s, 3 joint 160°/s, 4, 5, 6 joint 180°/s
	Tooling Speed	0.9m/s	1.5m/s	2m/s	1.6m/s	2.5m/s
	Joint Range Of Motion	±360°				
Robot control cabinet	Carbinet Dimension	3kg/5kg/10kg Carbinet: 440*260*215.7mm; 16kg/20kg Carbinet: 440*290*282.7mm				
	Carbinet I/O	16 digital input, 13 digital output, 4 analog input (24~20mA, 20~10V)				
	Voltage/Frequency	100-240VAC/50Hz				
	IP Classification	IP54				
	Communication Interface	TCP/IP 100Mbit, ModbusTCP, 485 Network Connection.				
Physical properties and others	Torque	30N	30N	50N	50N	50N
	Rate Power	200W	300W	500W	500W	Ave 1200W, Max 3000W
	Response Time After Colision	≤0.1s				
	Robot & Human Integration	Collision detection, drag teaching, safety area setting, 48V power supply for the body				
	Material	Aluminum alloy, ABS plastic				
	Warranty	1 year				
	Safety Certificate	CE, KCS, CNAS, 5 security configurations, Comply with EN ISO13849-1:2008, PLD				
	Components List	Robot arm, control cabinet, Teaching Pendant, cable, operating manual, certificate				
	Ambient Temperature	-10 ~ 60°C				
	Ambient Humidity	25~85% (Non-condensing)				
Braking Mode	IIMT-CI-05 models brake by relay, other models are brake brake					

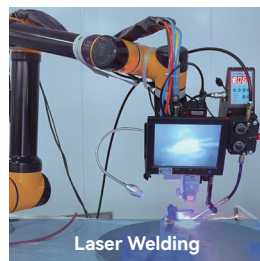
## Applications



Spraying



Loading and Unloading



Laser Welding



Mobile Collaborative Robot



Palletizing



Pouring Wine



Making Coffee



Massage



Health Care



Paper Turning