

ATEAGO MA5 Collaborative Robot

MA5

Cloud | Big Data | Multi-Platform

Easy to operate

Force-free teching effectively reduces debuging time and learning cost.Portable PC,friendly man-machine operation interface makes the robot easier to use.

Modularity

All-in-one module of reducer,motor,encoder and drive,which is convenient for quick disassembly.

Quick deployment

5kg in rated load with 18.5kg in weight.Lightweight installation and flexible deployment.

±0.02 mm
Repeatability

5 kg
Payload

Control Box

97mm

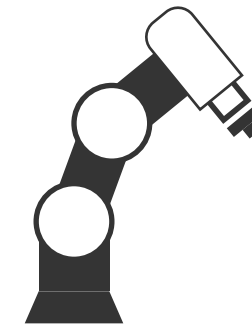
342mm

18mm

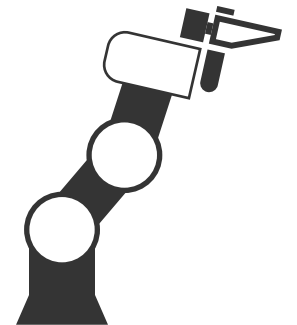


Teaching device sends commands to the control box through wireless or cloud.

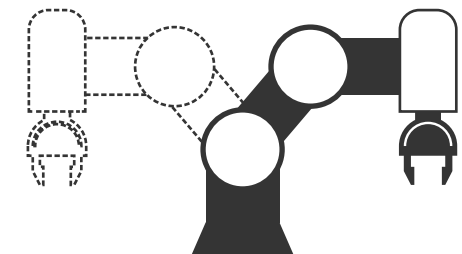
Application



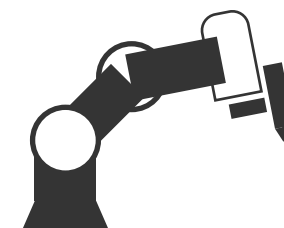
Mount Screws



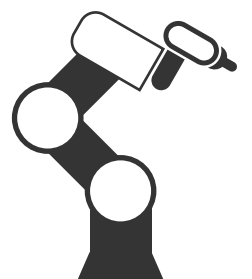
Spray



Carry



Glue



Weld

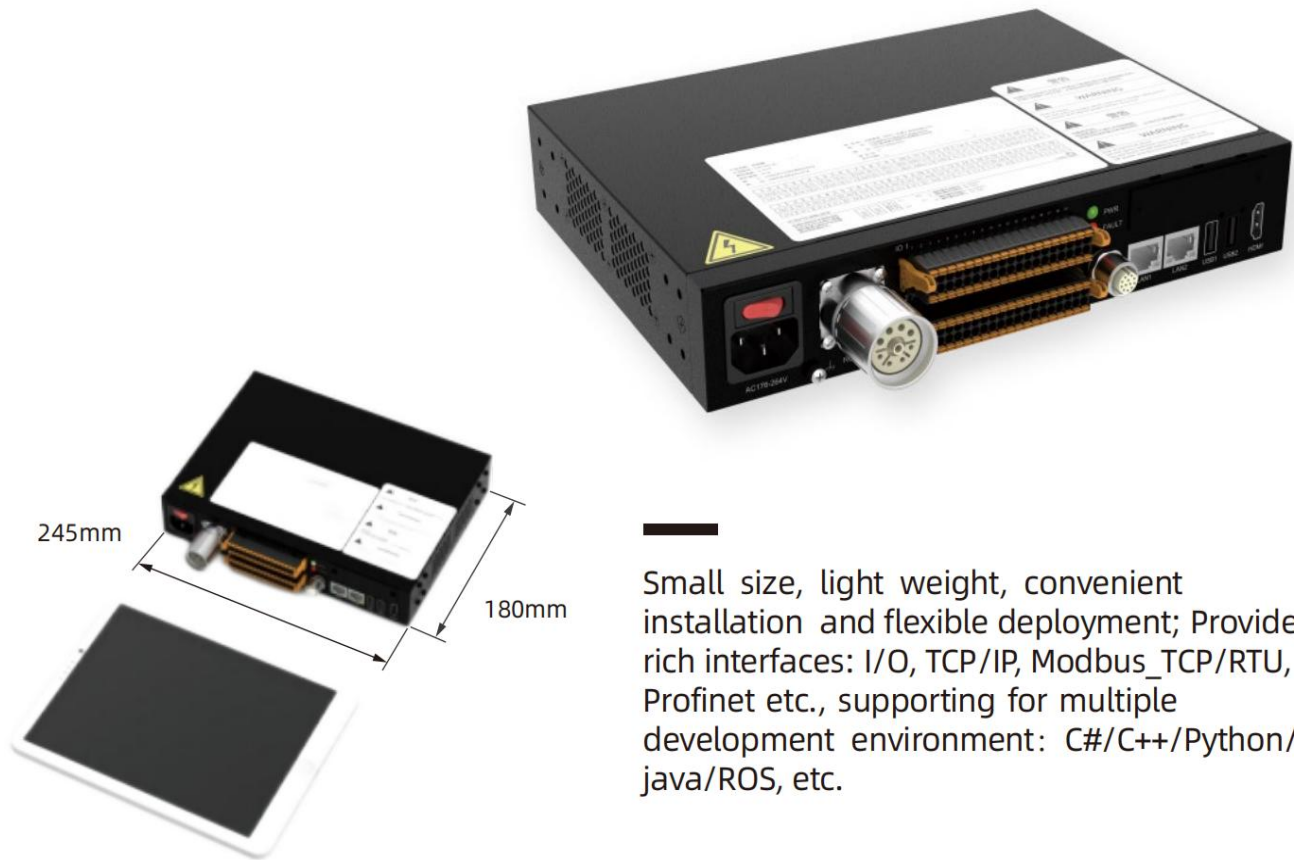
MA5



▼ Specification

Name	MA5
Weight	25kg
Payload	5kg
Reach	922mm
Joint range	±179°
Joint speed	±180°/s
Repeatability	±0.02mm
Square	Φ150mm
Degree of freedom	6
Control box size	245*180*44.5mm
End I/O port	Digital input:2 Digital output:2 Analog input:1 Analog output:1
Control box I/O port	Digital input:16 Digital output:16 Analog input:2 Analog output:2
I/O source	24V/2A
Communication	I/O, TCP/IP,Modbus_TCP/RTU,Profinet
Noise	< 60Db
IP classification	IP54
Collaborative operation	Impact checking,custom collision level
Power input	220V/50Hz

MINI BOX



Small size, light weight, convenient installation and flexible deployment; Provide rich interfaces: I/O, TCP/IP, Modbus_TCP/RTU, Profinet etc., supporting for multiple development environment: C#/C++/Python/ java/ROS, etc.

Features	IP classification	IP54
	Operating temperature	0-45°C
	Operating humidity	90%RH(non-condensing)
	I/O	(DI) 16 (DO) 16 (AI) 2 (AO) 2 (High speed pulse input) 2
	Power supply	100-240VAC 50-60Hz
Physical	Size(L*W*H)	245*180*44.5mm
	Weight	3.6kg
	Materials	galvanized sheet



TEACH PENDANT [Optional]



All operations are gathered in the hand

The teach pendant, computer, tablet or mobile phone is connected to the WebAPP system to realize the operation of the collabroative robot.

- The user interface is more intuitive
- Wide range of technological packages
- Cloud deployment provides greater convenience

Features	IP classification	IP54
	Operating humidity	90%RH(non-condensing)
	Display resolution	1280 x 800 pixels
Physical	Size(L*W*H)	268*210*88mm
	Weight	1.6kg
	Materials	ABS、 PP
	Cable length	5m

SAFTY BOX



Human-cobot interaction tools for basic interaction functions. It can be linked with computers, tablets and other devices through the RJ45 interface, and directly log in to the Web App teaching interface.

- Simple to use
- Easy to operate
- Flexible to deploy

Features	IP classification	IP54
	Button function	Manual/Auto, Drag, Point Record, Match or Not with Safety Button Box, Start/Stop, Shutdown
	Communication	TCP/IP
	Network transfer rate	100M
	Power over ethernet	Standard POE
Physical	Size (L*W*H)	136*60*66mm (No protrusions)
	Weight)	490g Cable weight included
	Materials	ABS
	Cable length	5m
	Number of keys	≥20W