myCobot 320 for M5

1 Profile

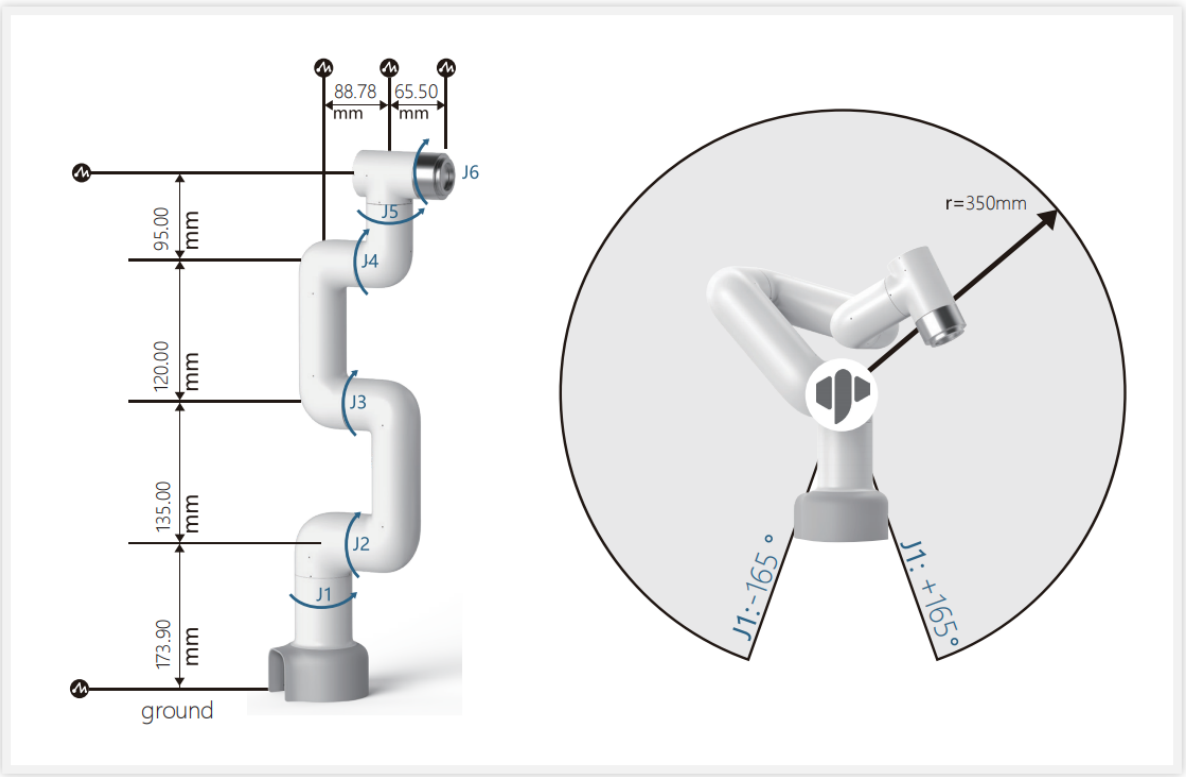
Updated from myCobot 280, **myCobot 320 M5** is mainly developed for to assist users in program-editing. With delicate structure and all-in-one design, myCobot 320 has a maximum arm stretch of 350 mm, maximum load of 1 kg and repeated positioning precision of ±0.5mm.

myCobot 320 for M5 weights 3kg with a load of 1kg and working radius of 320mm. The small-sized product is endowed with powerful functions and is characterized by easy operation, ability to work with human safely.

2 Parameters

Indicator	Parameter
Name	Baby elephant collaborative robot arm
Model	M5
Effective working radius	350mm
Load	1kg
Effective arms span	350mm
Repeated positioning precision	±0.5mm
Weight	3kg
Power input	24V,9.2A
Operational environment	0°~45°
Communications	USB Type-C
Base IO	IN1,IN2,IN3,IN4,IN5,IN6

Indicator	Parameter
Tool-side IO	OUT1,OUT2,OUT3,OUT4,OUT5,OUT6



3 Features

- **Easy to operate and open-source**
  - Users can operate the robot via myBlockly and dragging teaching easily after quick-start learning.
  - It supports the development systems, such as ROS and moveIt.
- **Economical and cost-effective**
  - It adopts a standardized 8-hour working system so as to replace human in doing repetitive and standard jobs.
  - Worth over 10,000 RMB, it reduces costs and synergizes efforts for high-efficiency scientific research.
- **Powerful performance and equipped with two screens**
  - It adopts a brushless DC servo so as to realize repeated positioning precision of ±0.5mm.
  - The body is equipped with two screens and supports M5 ecological applications, effectively expanding coordinative application.
- **On-in-all design and safe collaborative work**
  - With delicate structure, it optimizes space and integrates with application in a coordinated way.
  - It also has kinematics self-interference detection, which can effectively avoid motion collisions.

4 Application

myCobot 320 M5 is not only a tool for production but also a tool to expand imagination boundary. It means it can work with multiple types of end effectors to adapt to a variety of application, such as scientific research, education and function showing, etc. The user experience is excellent.