RobotAnno V6 PLUS Product Specifications

RobotAnno(Shenzhen) Co., Ltd

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Introduction

RobotAnno, a developer and manufacturer of desktop robotics solutions. Through continuous innovation, RobotAnno is committed to providing educational robots, light industrial robots and service robots with a cost-effective, easy-to-use, and best-of-breed revolutionary desktop robot arm product and solution. RobotAnno Robotics Located at the scientific community of academies and makers of desktop robotics, the Robot Anno arm covers the areas of STEAM (science, technology, engineering, math), getting hands-on and hands-on experience in mechanics, electronics , The charm of control systems and computer science. RobotAnno strive to become China and the world's most influential desktop arm business.

1、Overview：

The RobotAnno V6PLUS is a consumer desktop robot that is lightweight, fast, repeatable, and cost-effective. The use of engineering plastics as a robot body material, small size, high-speed, high precision to complete the loading and unloading, sorting, assembly and other work. The ability to work flexibly in confined spaces, with light weight and portable features, gives you great flexibility in scheduling the overall layout of your production line. Multi-axis interpolation control algorithm to ensure that the robot has high-precision control. Products support PC, and other intelligent interactive control methods. Provide a serial port, and other rich communication for secondary development. Not only widely used in education and teaching, but olso DIY. Accuracy of 0.5mm, with easy programming software, rich multi-functional end accessories.

2、Product Features：

● Cost-Effective

To meet the same performance, will be the lowest price In the same level, RobotAnno robot arm price level can do a thousand dollars. High performance, called the best of small industrial robotic arm.

● High precision

Multi-axis interpolation control algorithm to ensure that robots with high-precision control

● Industrial materials

Using industrial materials as the robot body

● Multi-function

Support PC, and other intelligent interactive control methods

● Rich secondary development interface

Provide a serial port, and other rich communication for secondary development

3、 Product parameters：

The Key Technical Parameters：

Body weight	15KG
Vertical travel	792.9mm
Horizontal travel	954.4mm
Voltage	220V/110V
Power supply	360W
The maximum working radius	482.3mm
Specified load	1KG
Repeat accuracy	±0.5mm

Axis movement range

Axis	Range of motion	Maximum speed
1st axis	±180°	200mm/s
2st axis	±120°	200mm/s
3st axis	±130°	200mm/s
4st axis	±180°	200mm/s
5st axis	±165°	200mm/s
6st axis	±180°	200mm/s

Machine structure

Structure type	In series
Number of axes	6 axis
Controller	Microcontroller
Body shell material	Plastic(PLA by 3D Printed)
Installation method	Desktop
Speed reducer	Timing belt deceleration
Motor	Stepper motor

4、RobotAnno V6 PLUS Size

Working Range	
Front view	
Top view	
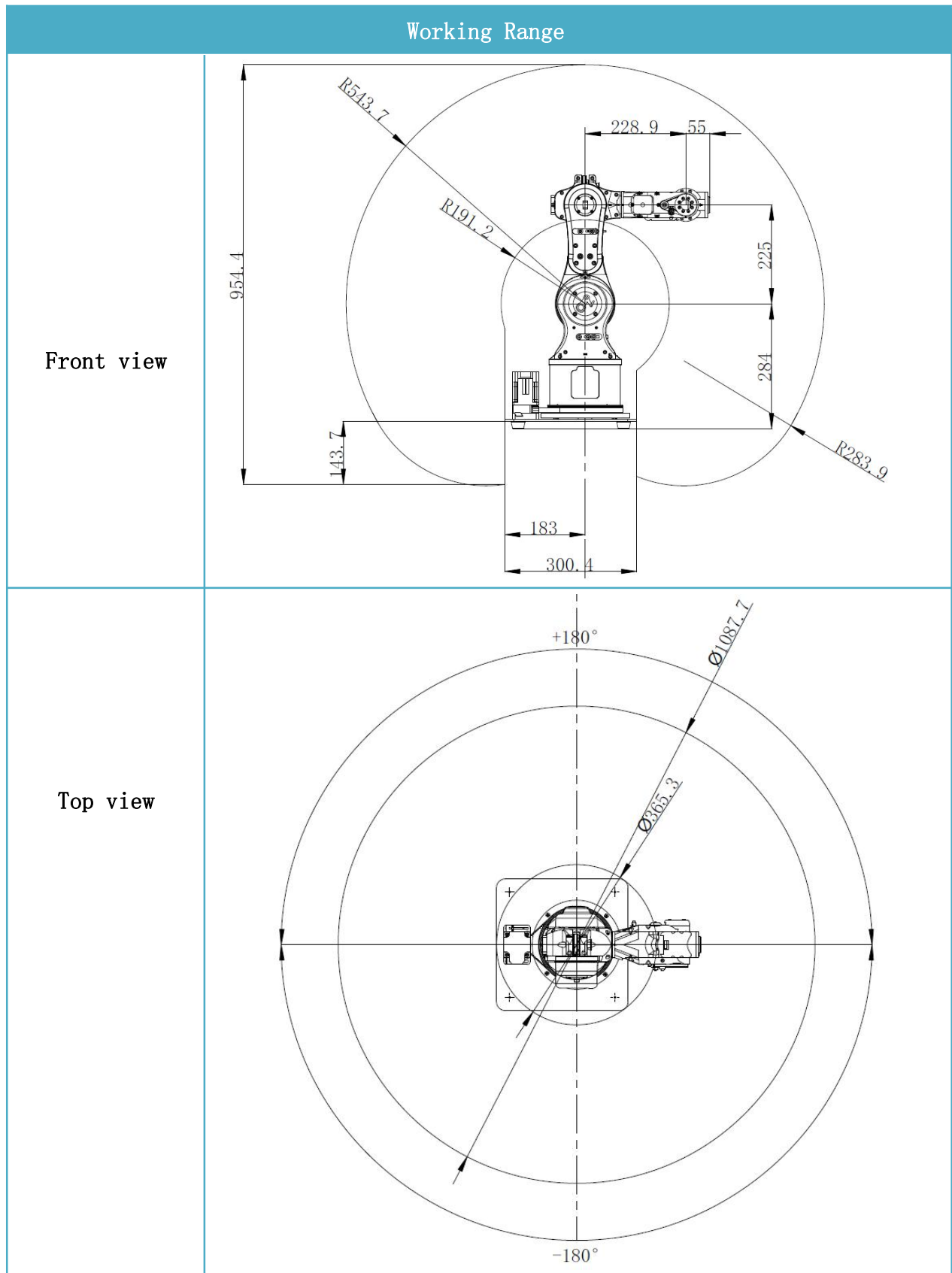
Controller Box Size	320mmX320mmX140mm
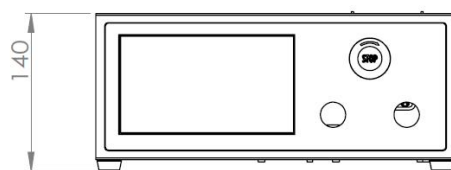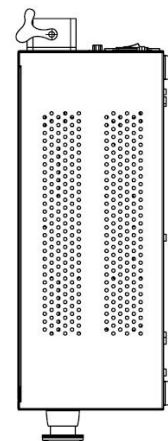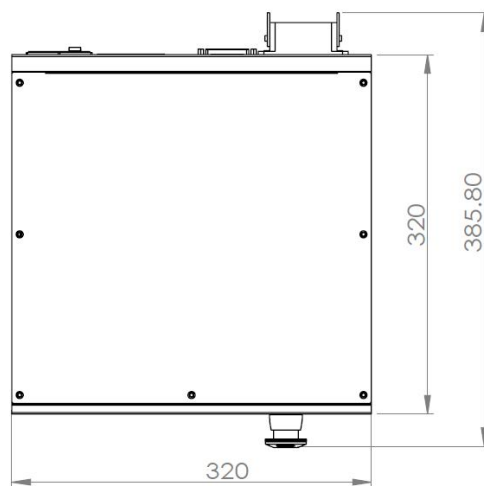
5、Application scenario

Welding Model

Spray paint

Sucker

Clamp

Drawing

CNC

6、Operation method

PC Control

PAD Control

7、Parts Assembled:

Free to buy bulk parts. RobotAnno desktop robot arm V6 set of spare parts. Packaged parts are easy to assemble, light and fast, and students, research institutes and creators alike can easily get started, experience the fun of assembly, communication and simulation, get started quickly and experience mechanics, electronics, control systems and computers Scientific charm.

Manipulator body parts

Components

Controller

Module parts

8、Shipping list：

1. RobotAanno V6 PLUS Complete list:

(1) six-axis robot arm body + electronic control + control software (1 piece)
(2) Controller Box(1 piece)
(3) Power cord (1 piece)
(4) USB cable (1 piece)
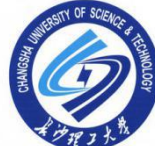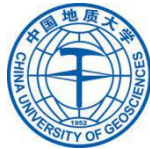(5) user manual electronic file (1 piece)

2. RobotAnno V6 bulk parts arm list:

(1) Arm body kit (1 piece)
(2) User manual electronic file (1 piece)
(3) Assembly instructions (1 piece)
(4) Assemble Instruction Video (episode)

3. Purchase Controller list:

(1) Power cord (1 piece)
(2) Computer USB Cable (1 piece)

9、Customer

10、 Contact Us

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