

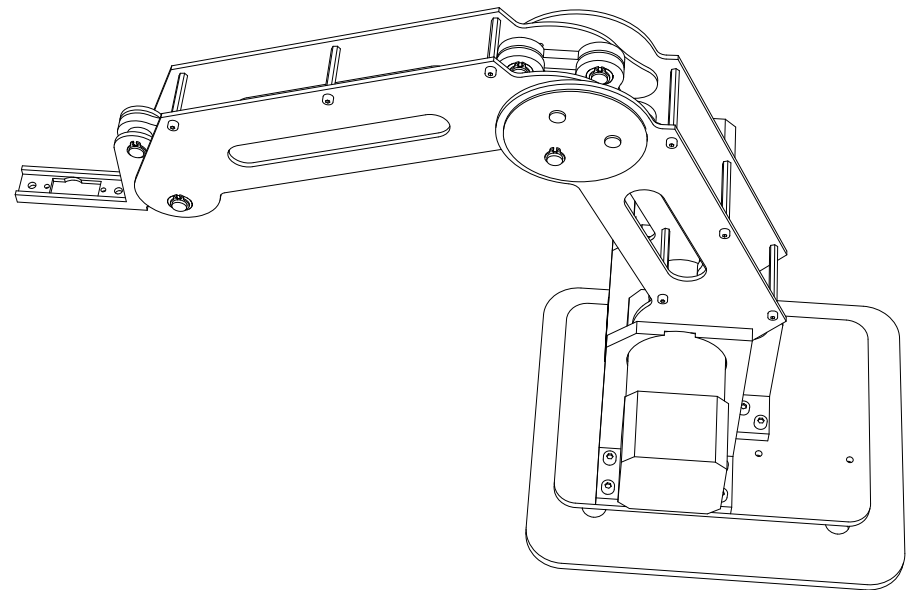


Dobot User Manual

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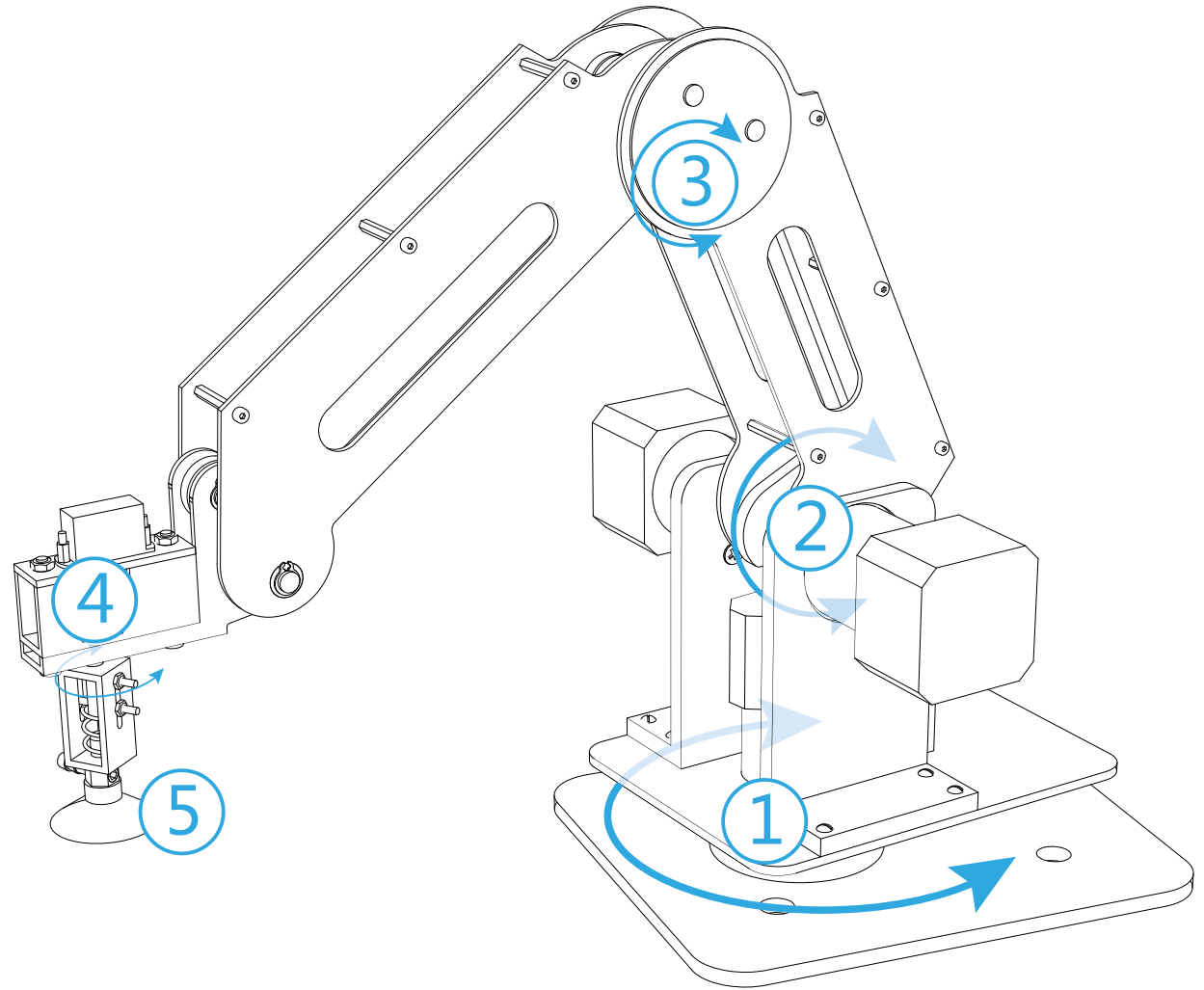
Founded by a group of top industrial robot experts and engineers, the Dobot team is devoted to instilling its ingenuity, creativity, vision and quality into robot design.

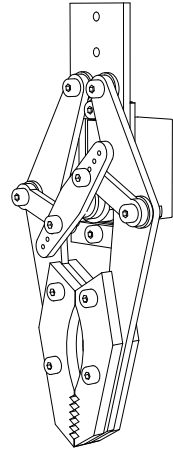
As the first of its category, Dobot is dedicated to bringing its industrial precision robot arm to every desktop, making robot not only highly functional and expandable for makers, but also interactive and fully accessible to non-makers. Interested in engineering, programming and robotics.



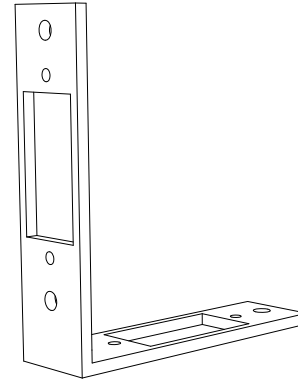
Introduction

1. Joint 1
2. Joint 2
3. Joint 3
4. Joint 4
5. Pump

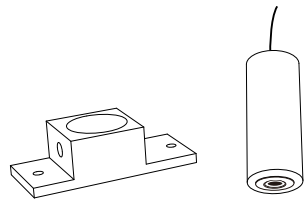




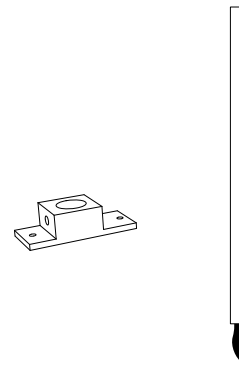
Gripper



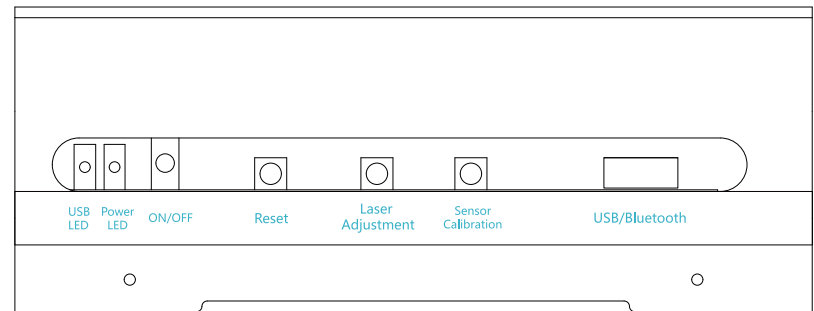
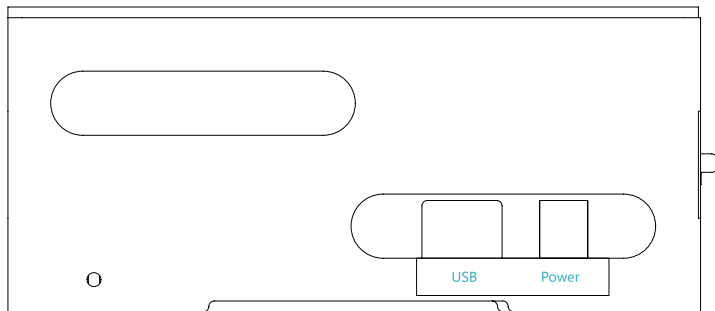
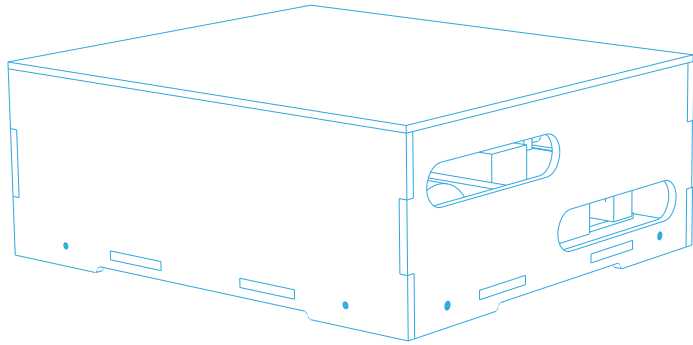
90°Transformer



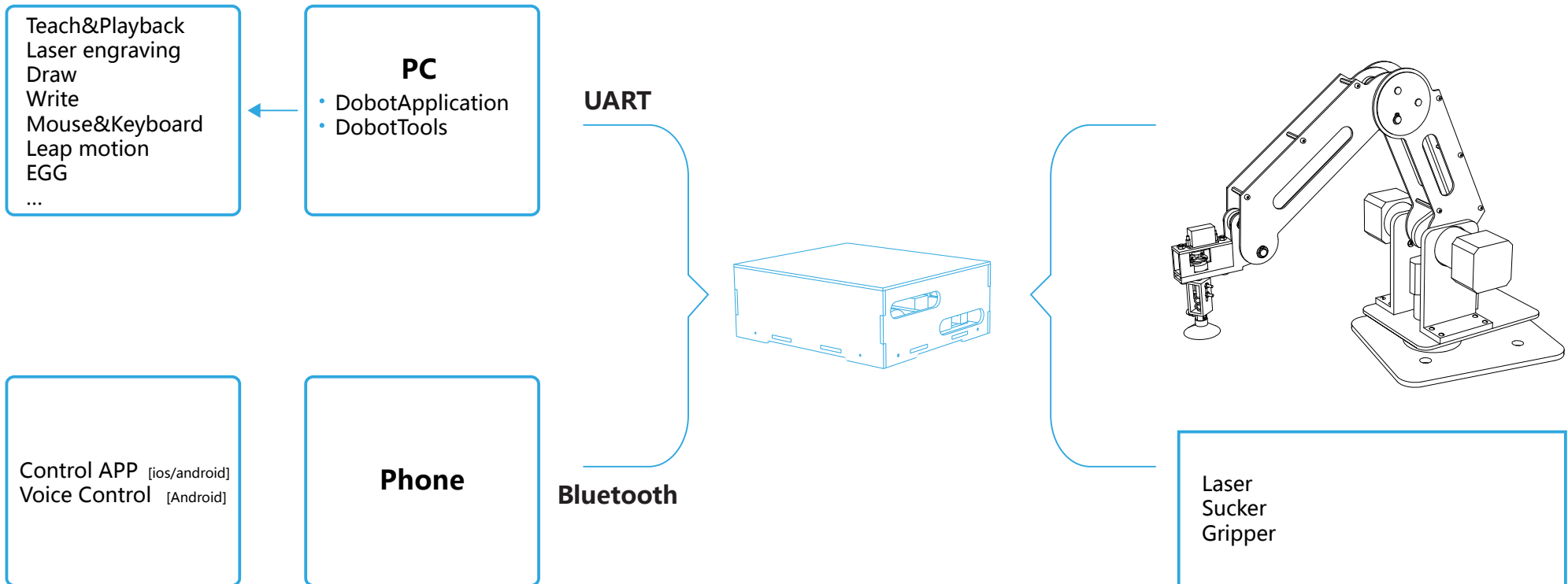
Laser & laser Holder



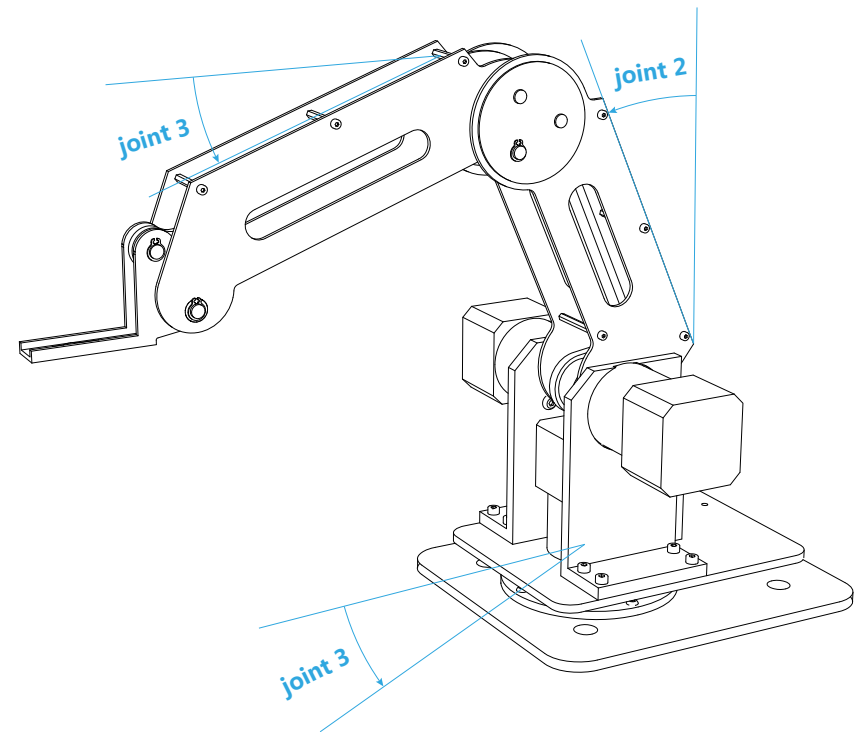
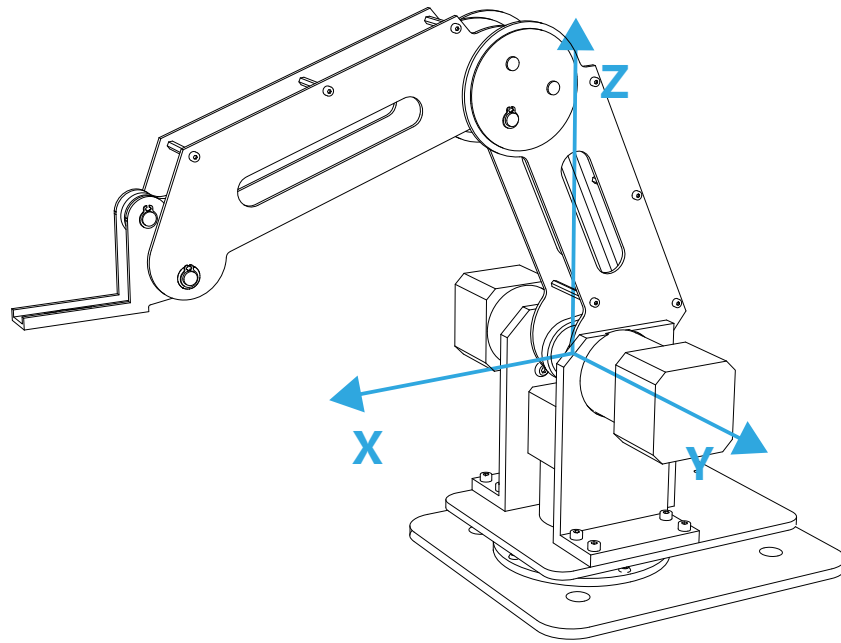
Pen & Pen Holder



DobotFramework

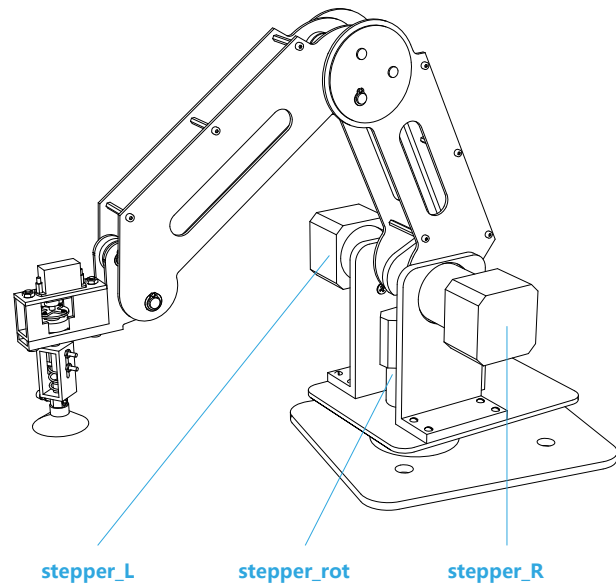


Reference Frame

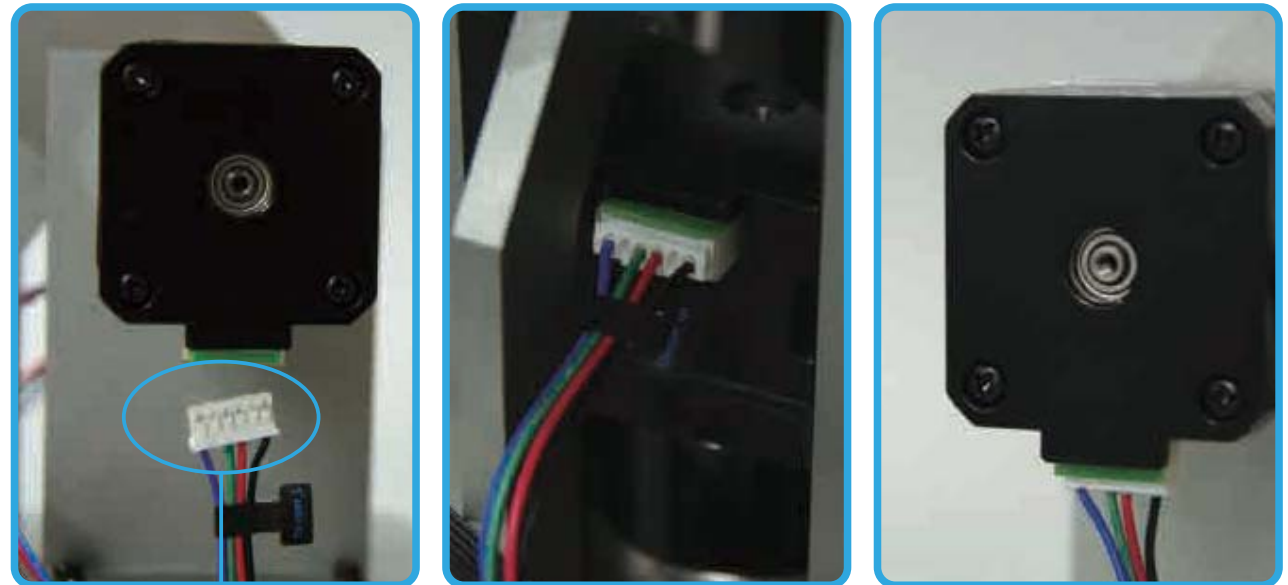


Get started

Step 1: Connect the cables

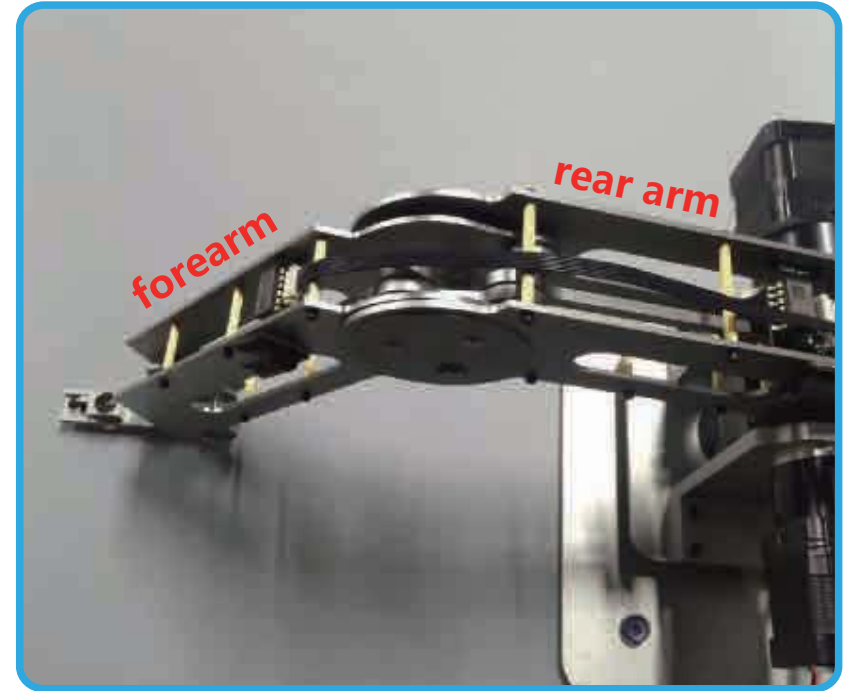
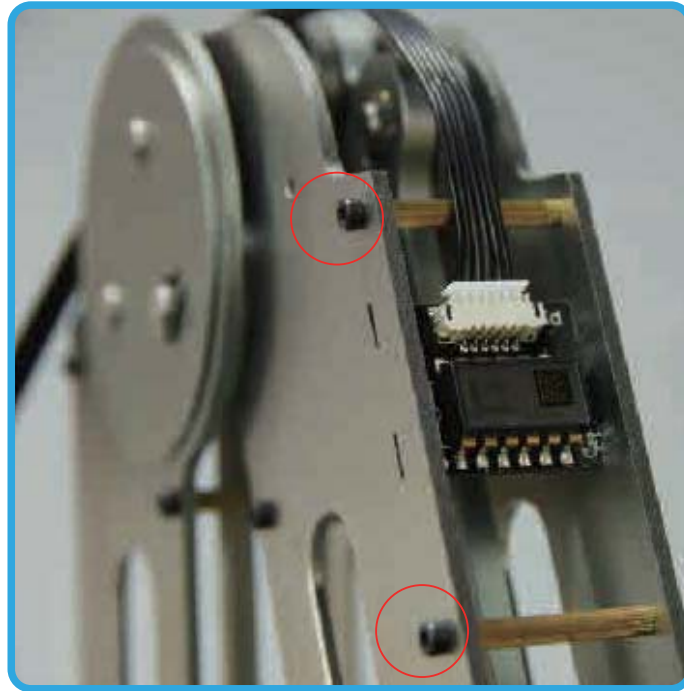


stepper motor



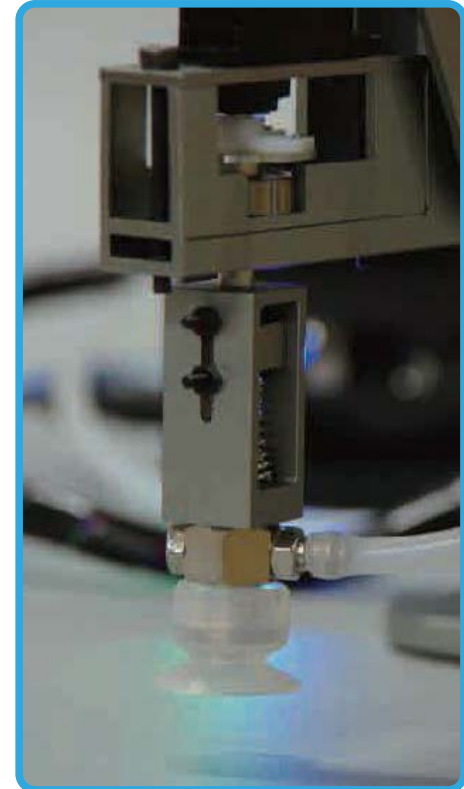
Tip: The flat side of the connectors is parallel to the end of the stepper motor

Angle Sensor

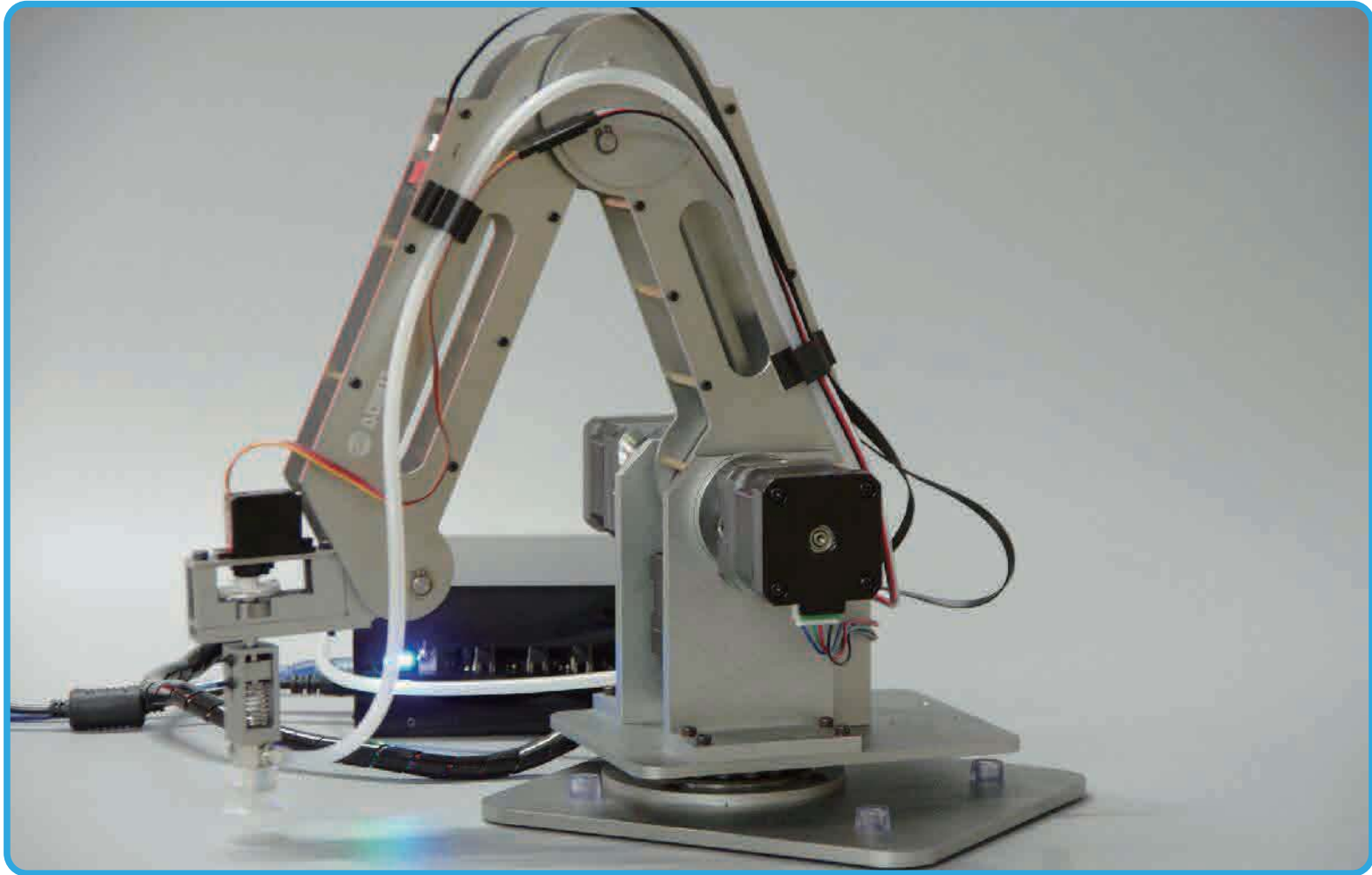


- Loosen the two bolts
- Insert the convex portion at one side of the sensor module into the two strip holes
- Push the other side into the corresponding position
- Tighten the two bolts.

Servo & Air Tube



Fix the cable and air tube(selectable)



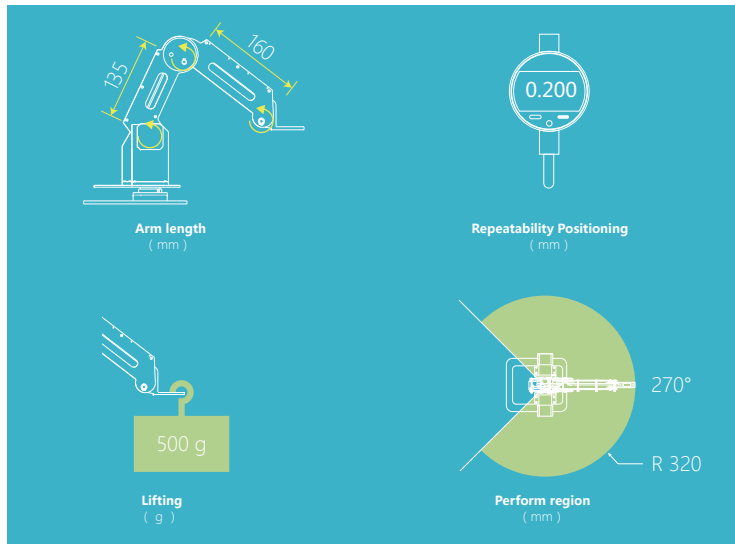
If you like, you can attach the wire holder to the body of the arm and fix the cable and air tube.

Connect USB and Power



**Now your Dobot is ready!
Download softwares and instructions from our website, enjoy!**

Specification



| | |
|------------------------|----------------------|
| Number of Axes | 4 |
| Weight | 3kg |
| Payload | 500g |
| Position repeatability | 0.2mm |
| Material | Aluminium Alloy 6061 |
| Controller | Arduino Mege2560 |
| Commucation | UART/Bluetooth |
| Power Supply | 12V 5A DC |

Warning:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.