

INDUSTRIAL PRODUCT DATASHEET

# reBot Arm B601-RS Body Structure Kit

Fully open-source DIY structural kit for the reBot Arm B601-RS with detailed assembly tutorials and support for ROS1/2, Isaac Sim, LeRobot, and Pinocchio.

| SKU       | UPDATED             | PRICE               |
|-----------|---------------------|---------------------|
| 100022991 | 2026-09-07 02:55:29 | \$269.00(Excl. VAT) |



# Overview



The reBot Arm B601-RS Body Structure Kit is a fully open-source DIY structural kit for assembling the reBot robotic arm B601-RS (without grip), including BOM list, hardware drawings, software, and algorithms. It provides detailed illustrated and video assembly tutorials, supports ROS1/2, Isaac Sim, LeRobot, and Pinocchio, and is intended for professionals with robotics, electrical, or mechanical expertise.

# Key Features

**Structural Kit:** This product includes the structural components of the reBot robotic arm B601-RS (without grip). Combined with the existing Lingzu Robstride series motors, you can assemble the reBot robotic arm B601-RS (without hook).

**Fully Open-Source:** A truly 100% open-source robotic arm in terms of both hardware and software. It includes the BOM list, hardware drawings, software, and algorithms, everything you need.

**Detailed Assembly Tutorials:** Provides extremely detailed illustrated and video assembly tutorials, wiring instructions, calibration procedures, and environment deployment tutorials, lowering the entry barrier for robot development.

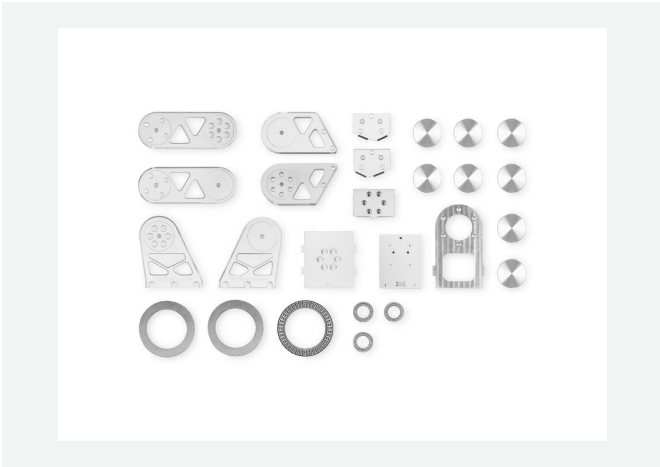
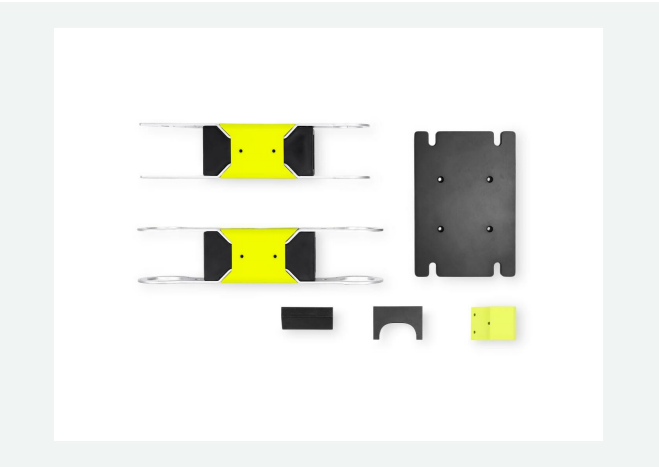
**High-performance motors:** The reBot Arm B601-RS uses 4 RS 00 motors and 3 RS 06 high-torque, low-noise high-performance motors, providing the robotic arm with stable and precise power output..

**Framework Compatibility:** Supports mainstream robotics development frameworks such as ROS1/2, Isaac Sim, LeRobot, and Pinocchio.

**Constant Content Updates:** As the project progresses, we will gradually update the latest algorithms and launch a series of completely free courses.

**Note:** This product is a DIY kit (not a finished product) requiring self-assembly, wiring, and debugging, with risks of personal injury (e.g., pinching, impact) and property damage. By purchasing, you confirm you have read, understood, and accepted all terms, and voluntarily assume all risks during assembly and use. This product is only for professionals with robotics, electrical, or mechanical expertise; minors and persons with no/limited civil capacity are strictly prohibited from operation. Follow the manual strictly for assembly, calibration, and setup. We only warrant core components against factory material defects (1-Month Warranty for Un-assembled Version | 6-Month Warranty For Assembled Version) and accept no liability for any personal injury or property damage. For full terms, refer to the attached Mechanical Arm DIY Kit - Safety Disclaimer and Risk Notice.

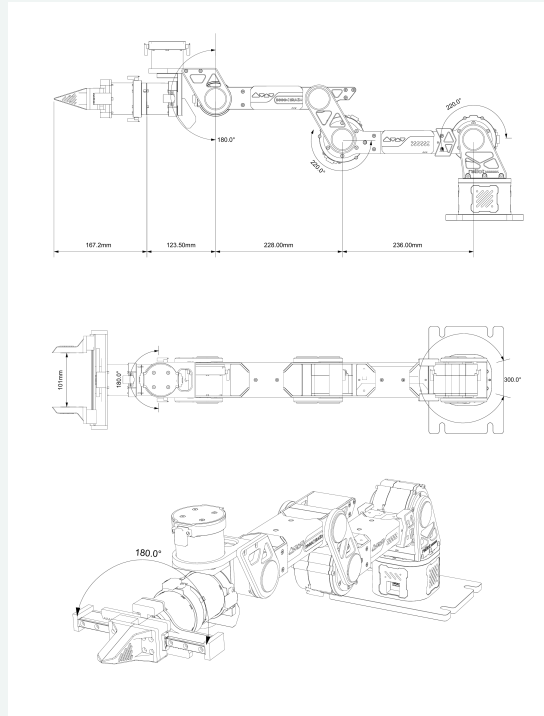
# Product Gallery



## Specification

|                  |                                                                       |
|------------------|-----------------------------------------------------------------------|
| Compatible Model | reBot Arm B601 RS (without gripper)                                   |
| Includes         | Full set of robotic arm structure parts                               |
| Not Included     | Motors, drivers, control board, gripper, cables & wires, power supply |
| Assembly Method  | Self-assembly required                                                |

# Hardware Overview



## Applications

- **Learn & Build Robotics Easily:** Lower the barrier to robotics with step-by-step tutorials, open-source tools, and real-world examples. Designed for students, makers, and first-time developers, the reBot Arm B601-RS helps you go from assembly to intelligent robot control quickly and confidently.
- **Research & Laboratory Automation:** High-precision robotics for liquid handling, sample transfer, and laboratory workflows. Built for repeatability, delicacy, and rapid experimentation.
- **Teleoperation & Physical AI:** Power real-time control, data collection, and sim-to-real learning with leading robotics frameworks including LeRobot and Isaac Sim. A dexterous “hand” for embodied AI.
- **Industrial Automation & Logistics:**  $\pm 0.1$  mm precision, up to 5 kg payload. The reBot Arm B601-RS enables precision assembly, inspection, sorting, and material handling in manufacturing and warehouse environments. Compact and easy to integrate into existing production lines and workcells.

## Part List

| Item Name          | Quantity |
|--------------------|----------|
| Body metal parts   | 17       |
| Main body print    | 19       |
| Bearing            | 4        |
| KM3x7mm            | 50       |
| KA3x12mm           | 48       |
| HM3x8mm            | 33       |
| HM4x8mm            | 6        |
| HM4x16mm           | 18       |
| HM4x70mm           | 4        |
| Hex key wrench set | 1        |
| Mouse pad          | 1        |

## Compliance & Logistics

|          |            |
|----------|------------|
| HSCODE   | 8479909090 |
| USHSCODE | 8479909596 |
| UPC      |            |
| EUHSCODE | 8536301090 |
| COO      | CHINA      |

## Resource Links

- <https://www.seeedstudio.com/reBot-Arm-B601-RS-Body-Structure-Kit-p-6866.html>
- [https://wiki.seeedstudio.com/reBot\\_B601\\_DM\\_Getting\\_Started/](https://wiki.seeedstudio.com/reBot_B601_DM_Getting_Started/)

**Seeed Technology Co.,Ltd.**  
9F, Building G3, International E City,  
Zhongshanyuan Road, Nanshan, Shenzhen, China

**Tel:** +86 0755-80695676  
**Web:** [www.seeed.cc](http://www.seeed.cc)  
**Shop:** [www.seeedstudio.com](http://www.seeedstudio.com)