

INDUSTRIAL PRODUCT DATASHEET

reBot Arm B601-RS Gripper Kit

Fully open-source DIY robotic arm kit with high-performance motors, step-by-step tutorials, and framework compatibility for learning, research, teleoperation, and industrial automation.

SKU

100034154

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PRICE

\$199.00(Excl. VAT)



Overview



The reBot Arm B601-RS Gripper Kit is a fully open-source DIY robotic arm kit with hardware and software resources, including BOM, drawings, tutorials, and algorithms. It uses four RS 00 motors and three RS 06 high-torque, low-noise motors, supports ROS1/2, Isaac Sim, LeRobot, and Pinocchio, and is designed for applications from robotics learning to industrial automation with ± 0.1 mm precision and up to 5 kg payload.

Key Features

Gripper Kit: The output shaft of the RobStride 00 motor can be used directly with the reBot Arm B601-RS robotic arm body or other compatible models.

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.

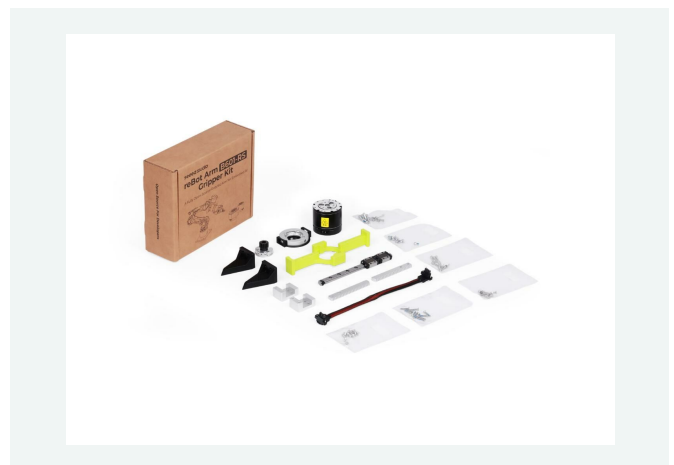
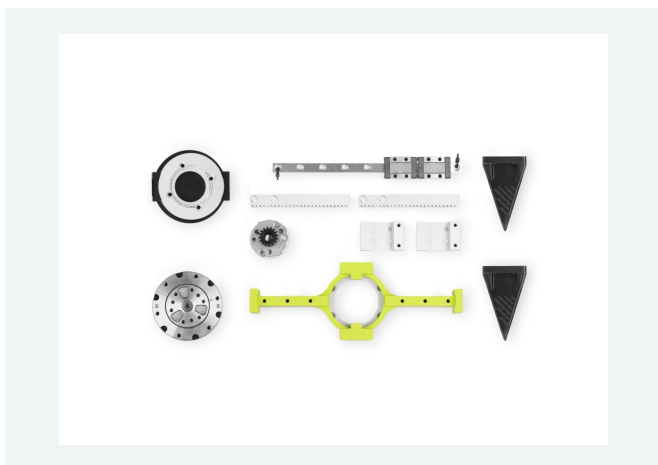
High-performance motors: The reBot Arm B601-RS uses 4 RS 00 motors and 3 RS 06 high-torque, low-noise high-performance motors, providing the robotic arm with stable and precise power output..

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.

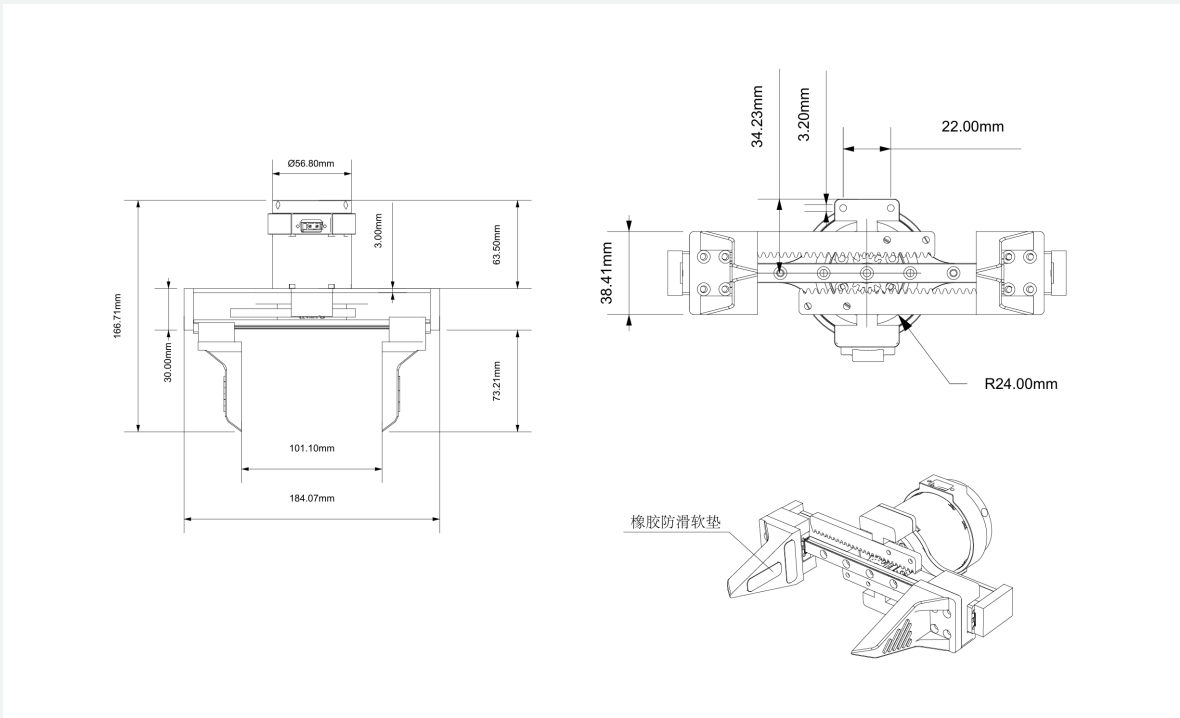
Product Gallery



Specification

Compatible Model	reBot Arm B601-RS robotic arm body or other compatible models
Max Effort	14 N·m
Includes	Gripper motor and gripper structure parts
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:** ± 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
RobStride 00 QDD 14N.m integrated actuator module	1
Claw Metal Parts Set	1
Paw Print Kit	1
Guide rail kit	1
Gear and rack set	1
Hex key wrench set	1
Mouse pad	1
Wire kits	1
KM3x7mm	15
KM3x16mm	11
KA3x12mm	11
HM3x6mm	11
HM3x12mm	10
HM3x26mm	9

Compliance & Logistics

HSCODE	8479909090
USHSCODE	8479909596
UPC	
EUHSCODE	8536301090
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/reBot-Arm-B601-RS-Gripper-Kit-p-6868.html>
- https://wiki.seeedstudio.com/reBot_B601_DM_Getting_Started/

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