

WUJI

2026



# WUJI HAND 2

20 DoF

ACTIVE

1000 Hz

HYBRID

$\geq 15$  N

FINGERTIP

— ABOUT WUJI TECH

# A World-Leading Provider of Universal Manipulation Solutions.

Wuji Tech leads in dexterous manipulation solutions — from motor to hand and data-collection, bringing dexterity to robots, accelerating physical AGI.

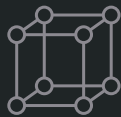
— HIGHLIGHTS

20  
DoF

High Torque  
Transparency



Multi-Axis Force/  
Torque  
Fingertip Sensing



Robust  
&  
Modular



Biomimetic  
Skeleton &  
Soft Tissue



Performance-  
to-Size



Out-of-the-Box  
Ecosystem

CORE TECHNOLOGY

# Four Pillars of Dexterity.

01 Biomimetic Flesh and Bone, Dexterity Fully Grown

02 Direct Actuation, Force Penetration

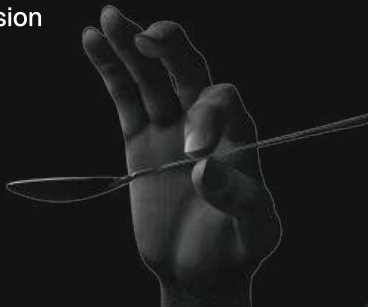
03 Touch Aligned, Fingers Refined

04 Compact Size, Mighty Force

CAPABILITIES

SHOWCASE

Precision Pinch



Compliant Motion



Multi-Axis Force/Torque Fingertip Sensing



Nail Action



High Performance



Compact Form



## — HIGH ROBUSTNESS

# Built for Long-Term Stable Operation.

From physical toughness to integration ease, every detail is engineered to minimize maintenance costs and shorten recovery time from failures — so you can focus on research and innovation with confidence.

01

Robust and  
Impact-Resistant

02

Modular Quick  
Assembly.

03

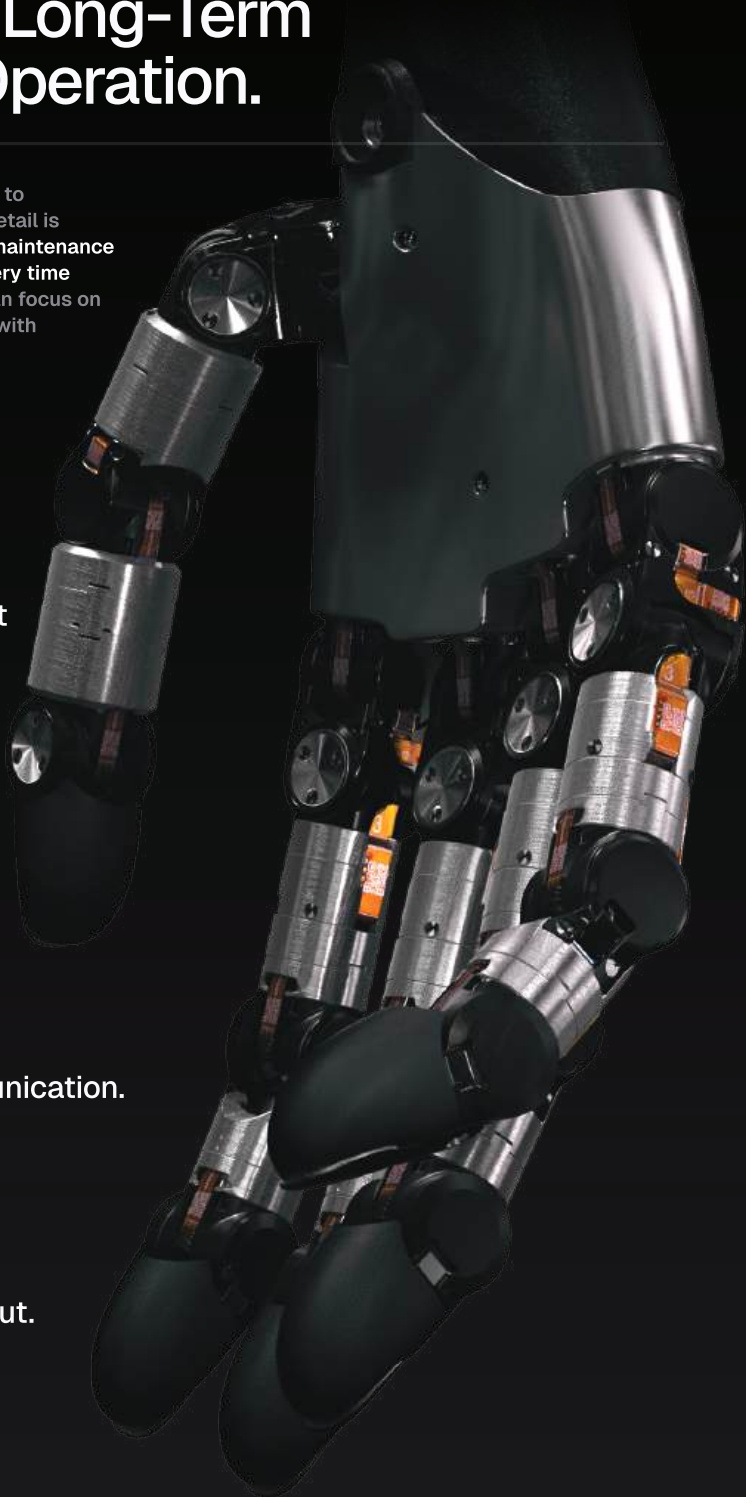
EtherNet Communication.

04

Wide Voltage Input.

Supports

16–58V



— SOFTWARE ECOSYSTEM

# An All-in-One Solution Covering the Entire Workflow.

## Wuji SDK & Studio

Unified device access and real-time visualization for a one-stop development and debugging experience



## ROS 2

Native support, seamless integration with robotic systems



## MuJoCo / Isaac Sim

High-fidelity simulation models that support Sim-to-Real training



## Teleop

Supports multiple input methods, including Wuji Glove



— WUJI GLOVE CLOSED-LOOP FLOW

01

Capture

02

Mapping

03

Execution

04

Training

— STRUCTURE

# Three Views.



— MAIN SPECIFICATIONS

# Main Specifications.

|            |                         |                                           |
|------------|-------------------------|-------------------------------------------|
| STRUCTURE  | Active DoF              | 20 DoF                                    |
|            | Finger Configuration    | Full opposition, lateral movement         |
|            | Kinematics              | Direct-drive rotary, back-drivable        |
|            | Dimensions              | ≈ 185 × 80 × 40 mm                        |
|            | Min. Grasping Diameter  | Zero grasping radius                      |
| SENSING    | Fingertip Force Sensing | Multi-axis force/torque fingertip sensing |
| CONTROL    | Frequency               | 1000 Hz × 20 axes                         |
|            | Mode                    | MIT force-position hybrid                 |
| COMM.      | Protocol                | EtherNet (1000BASE-T)                     |
| PAYLOAD    | Fingertip Peak Force    | ≥ 15 N                                    |
| DYNAMICS   | Open / Close Speed      | ≥ 4 cycles / s                            |
| PRECISION  | Joint Backlash          | < 1°                                      |
| ELECTRICAL | Operating Voltage       | 16–58 V DC                                |

\* Specifications may differ from final production models. All parameters above are subject to the actual sales model.

# WUJI



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