

WUJI



WUJI
HAND 2

20 DoF

ACTIVE DOFS

1000 Hz

HYBRID

≥ 12

FINGERTIP

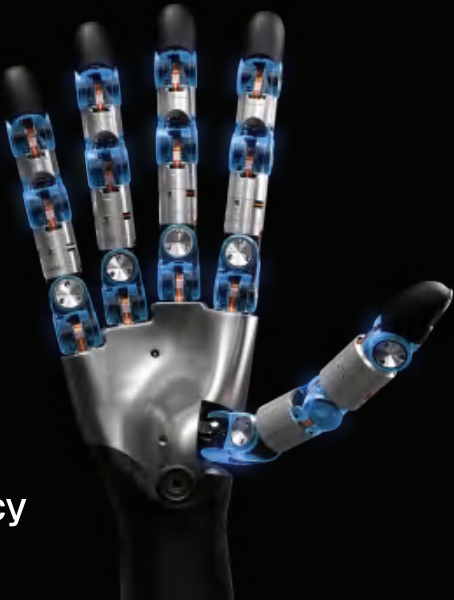
ABOUT WUJI TECH

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.

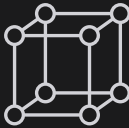
HIGHLIGHTS

20
DoF
High Torque
Transparency





Multi-Axis Force/
Torque
Fingertip Sensing



Robust
&
Modular

Biomimetic
Skeleton &
Soft Body





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



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
12V



SOFTWARE ECOSYSTEM

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

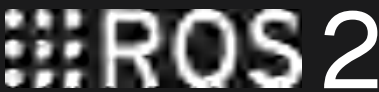
Wuji SDK & CLI

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

Compatible with multiple input methods, including the Wuji Glove



WUJI GLOVE CLOSED-LOOP FLOW

01

Capture

02

Mapping

03

Execution

04

Training

STRUCTURE

Three Views.



Side



Front



Back

MAIN SPECIFICATIONS

Main Specifications.

STRUCTURE	Active DoF	20 DoF
	Finger Configuration	Full opposition, lateral movement
	Kinematics	Direct-drive rotary, back-drivable
	Dimensions	≈ 180 × 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 (100BASE-T)
PAYLOAD	Fingertip Peak Force	≥ 12 N
DYNAMICS	Open / Close Speed	≥ 4 cycles / s
PRECISION	Joint Backlash	< 1°
ELECTRICAL	Operating Voltage	12V DC

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

WUJI



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