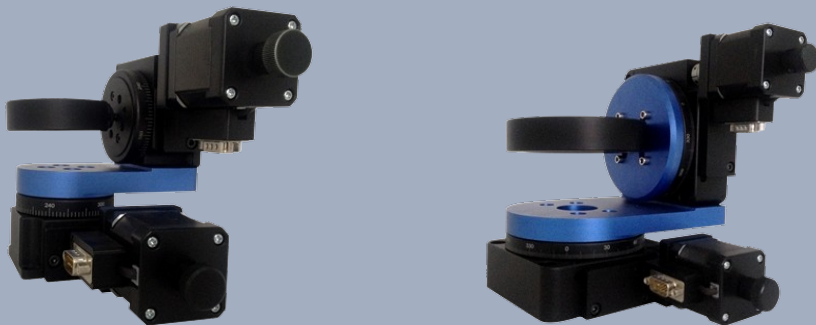


Electric Multi-Dimensional Turntable

VenusLab-R-2D-Series

Research-grade two-axis turntable

- Lightweight and high-precision: 3.5kg lightweight, 0.01° precise control
- Long-lasting stability: anti-backlash structure, long-term high precision



One Platform Many Possibilities

Contact Us sales@venuslabtech.com

Get a Quote



Get Expert Advice
+65 8099 5547



Visit Us
www.venuslabtech.com

Overview

Dual-axis Coordination · Both Stability and Accuracy

The VenusLab-R-2D-Series two-axis electric rotation stage is a core execution unit in the fields of high-end precision manufacturing, optical inspection, and semiconductor integration. It features high precision, high rigidity, and flexible compatibility, focusing on two-dimensional precise positioning and multi-scenario adaptation. The equipment has a repeat positioning accuracy of ± 3 arcseconds, a high-rigidity integrated structure with crossed roller bearings, ensuring low vibration and stability under high-speed reversing and medium loads. It supports protocols such as EtherCAT and PROFINET, and its multiple installation methods adapt to special environments and intelligent linkage, helping improve production line efficiency and quality.

Features of VenusLab-R-2D-Series

- ± 3 arcseconds ultra-high repeat positioning accuracy
- High-rigidity integrated structure + cross roller bearing
- Stable with low vibration under high-speed reversing and medium load
- Support for EtherCAT/PROFINET multi-protocols
- Multiple installation methods to adapt to special environments

Service & Support

We are dedicated to delivering exceptional optoelectronic solutions to every client. From precision manufacturing and secure delivery to full-lifecycle technical support, we are here to ensure a seamless and reliable experience at every step.

1. Warranty Policy

Quality First, Worry-Free Operation

- **Warranty Period:** We offer a **two-year** warranty service for all of our core optoelectronic products, effective from the date of shipment.
- **Coverage:** We provide free repair or replacement services for malfunctions caused by material defects or workmanship errors under normal operating conditions.
- **Rapid Response:** Upon receiving a warranty claim, we guarantee to initiate the assessment process within **24 hours** to minimize your equipment downtime.

2. Technical Support

Expert Team, Full-Process Guidance

- **Technical Consultation:** Our team of senior optical engineers provides **24/7 online support** to assist with installation, commissioning, optical path alignment, and parameter optimization.
- **Scheduled Maintenance:** We offer full-lifecycle maintenance recommendations, including firmware upgrades, optical component cleaning guidelines, and precision calibration services.
- **Training Services:** We provide customized remote or on-site operational and safety training to ensure your team can operate the equipment efficiently and safely.

3. Logistics & Delivery

Precision Packaging, Global Reach

- **Professional Packaging:** Given the fragile nature of optical instruments, we utilize industrial-grade shockproof, anti-static, and moisture-proof vacuum packaging to ensure zero damage during transit.
- **Logistics Partners:** We partner with top-tier global logistics providers (**DHL / FedEx / UPS / SF Express**) to offer reliable shipping with real-time tracking.
- **Shipping Insurance:** All shipments are fully insured to eliminate logistics risks.

4. Compliance & Certification

Strict Standards, Total Compliance

Quality Certification: Our manufacturing process is **ISO 9001 certified**, and our products comply with international standards such as **CE and RoHS**.

Export Compliance: "Committed to environmental responsibility, all our products comply with **RoHS 2.0 and REACH** standards, ensuring safety and global compliance."

Explore Series

Model	Speed	Center Load Capacity	Gear Ratio	Weight
VL R2-60M	18°/sec	3.5kg	90:1	2.2kg
VL R2-100M	10°/sec	8kg	180:1	4.4kg

 Get in touch with our team to explore configurations,request a quote,or learn more about customized solutions tailored to your needs.

Let us help you moves cience forward—faster ands marter.

Get a Quote

 Get Expert Advice
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