

# Electric Multi- Dimensional Turntable VenusLab-R-3D-Series

Mid-Small Load Multi-Axis Electric Rotating Stage Series

- Flexible specs: 1/2/3-axis for diverse multi-dimensional angle control
- High precision & stability: Anti-backlash worm + precision bearings, gap adjustment for sustained accuracy



One Platform Many Possibilities

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## Overview

### Multi-dimensional angle control core component

The VenusLab-R-3D-Series is a professional-grade multi-axis electric rotary stage series by VenusLab, targeting industrial automation, precision inspection, and scientific research. It focuses on precise control of multi-dimensional angles for small and medium loads. Available in single-axis, two-axis, and three-axis specifications, it allows flexible selection for equipment integration. Adopting a backlash-eliminated worm gear + precision bearing structure, it features high-resolution adjustment and supports gap adjustment, ensuring long-term precision stability. Continuing the unified industrial design, it has strong compatibility and expandability, seamlessly connecting to automation systems, providing reliable angle control solutions for precision operations.

### Features of VenusLab-R-3D-Series

- Single / two / three-axis multiple specifications, flexible selection
- Anti-backlash worm + precision bearing, high precision, long-term stability
- Compatible with automation systems, easy integration and expansion
- Suitable for small and medium loads, accurately matching precision operation scenarios

## 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        | Repeat Positioning Accuracy (°) | Central Load Capacity (kg) | Axis Configuration |
|--------------|---------------------------------|----------------------------|--------------------|
| VL 3RA200S-1 | 0.01                            | 15                         | 3-Axis             |
| VL 3RA200S   | 0.01                            | 25                         | 3-Axis             |
| VL 3RA200MD  | 0.01                            | 20                         | 3-Axis             |
| VL 2RA200M   | 0.005                           | 20                         | 2-Axis             |
| VL 2RA100M   | 0.01                            | 10                         | 2-Axis             |
| VL 1RA60M    | 0.01                            | 6                          | 1-Axis             |

 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 move science forward—faster and smarter.

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