

# 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

Contact Us [sales@venuslabtech.com](mailto:sales@venuslabtech.com)

Get a Quote



Get Expert Advice  
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[www.venuslabtech.com](http://www.venuslabtech.com)

## 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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