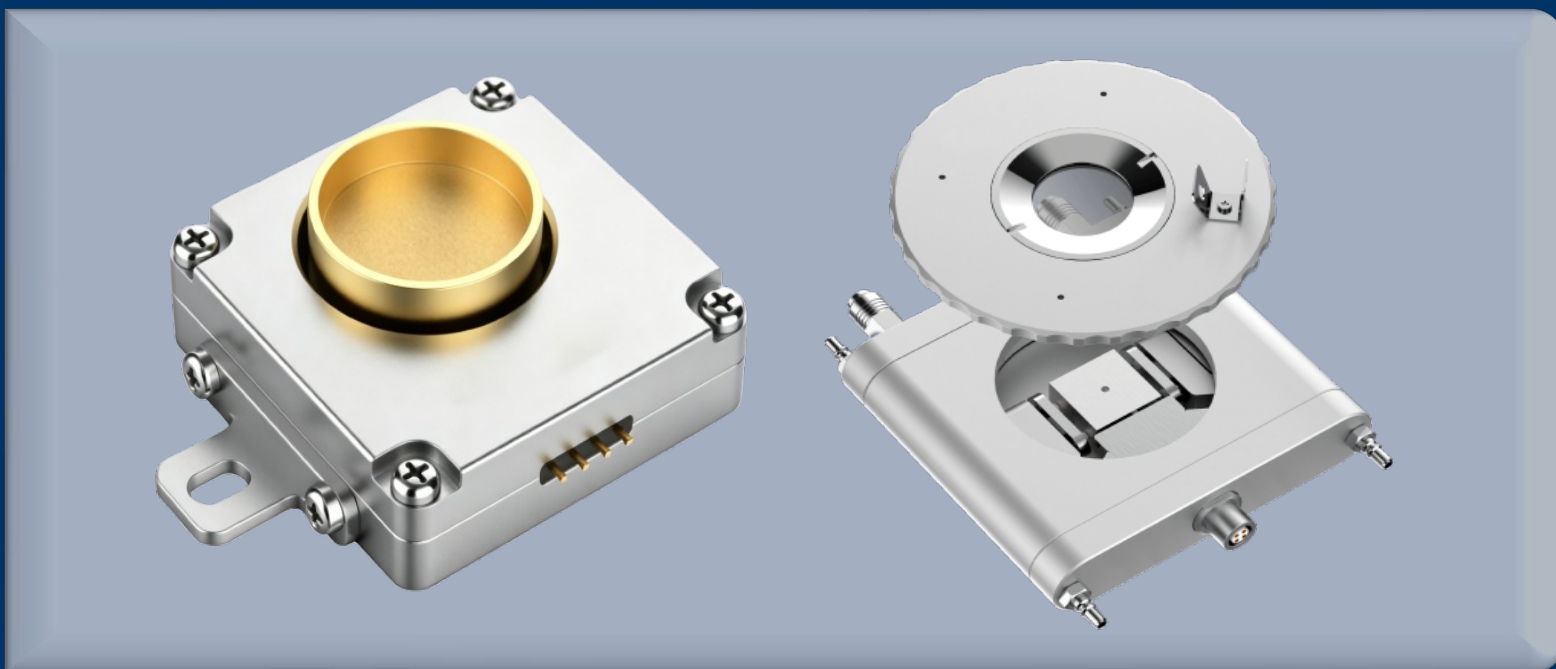


# Optical

## OptiHeat Stage

Optimized optics, flexible structure, diverse temp control.

- Wide temperature range coverage
- Compact structure
- High degree of customization
- Convenient software control



One Platform Many Possibilities

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

Get a Quote



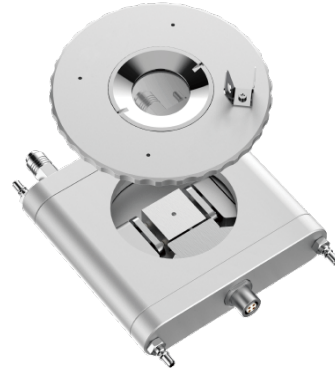
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VLO-RT-200Mini



VLO-RT-600S/VLO-RT-800S

## Overview

### Product Introduction of OptiHeat Stage :

It adopts resistance heating for precise temperature control, with a temperature stability of  $\pm 0.1$  . It supports reflection optical paths, and the windows are uniformly equipped with JGS2 quartz glass. It is compatible with optical instruments such as optical microscopes, supports customized expansion, can meet the needs of variable temperature optical testing in fields such as materials science and biomedicine, and has a compact structural design, facilitating integration and operation.

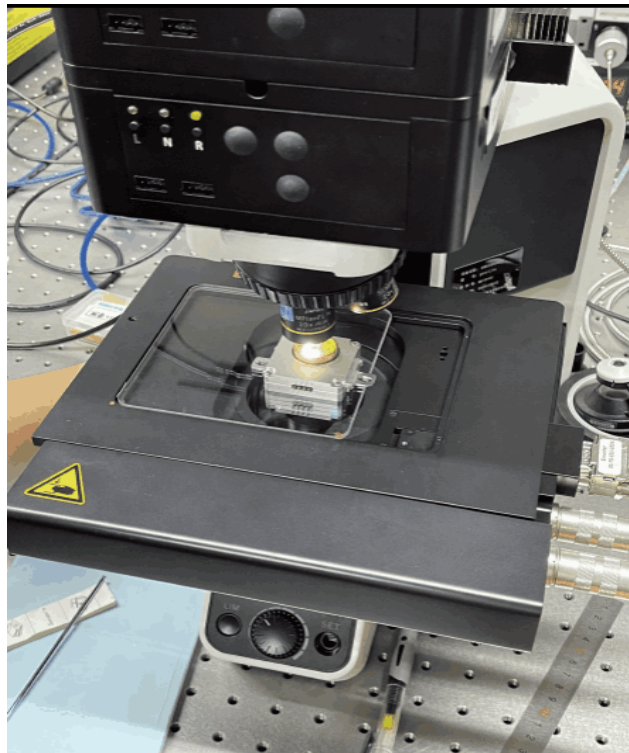
## Specifications

Parameter Item	Parameter Value
Core Heating Method	Resistance heating
Temperature Stability	$\pm 0.1^{\circ}\text{C}$
Window Configuration	JGS2 quartz glass (transmission band 220nm~2500nm, detachable and replaceable manually)
Dedicated Controller Model	GTC-C
Adaptable Instrument Type	Optical microscopes and other optical analysis equipment
Expansion Support	Customizable adapter plates, customized water circulators, etc.
Structural Feature	Compact design, easy for integration and operation
Core Application Field	Variable-temperature optical testing in materials science, biomedicine and other fields

## Application

The **OptiHeat Stage** is a resistance-heated platform designed for precision variable-temperature optical analysis in materials science and biomedicine.

- **Materials Characterization:** Real-time observation of phase transitions, melting, and recrystallization in polymers, metals, and ceramics.
- **High-Temperature Microscopy:** Ideal for studying thermal stability and oxidation processes under controlled heating.
- **Broad-Spectrum Analysis:** Equipped with JGS2 quartz windows (220nm– 2500nm) to support in-situ UV, visible, and IR spectroscopy.
- **System Integration:** Compact design optimized for seamless adaptability with standard optical microscopes.



## 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	Overall Dimensions (LxWxH)	Net Weight	Sample Stage (Material/Size)	Temperature Range
VLO-RT-200Mini	40mmx40mmx12mm	0.2kg	Copper/φ20mmx4mm	RT~200°C
VLO-RT-600S	91mmx97mmx24mm	0.4kg	Silver/23mmx23mm	RT~600°C
VLO-RT-800S	91mmx97mmx24mm	0.4kg	Stainless Steel/23mmx23mm	RT~800°C

 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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