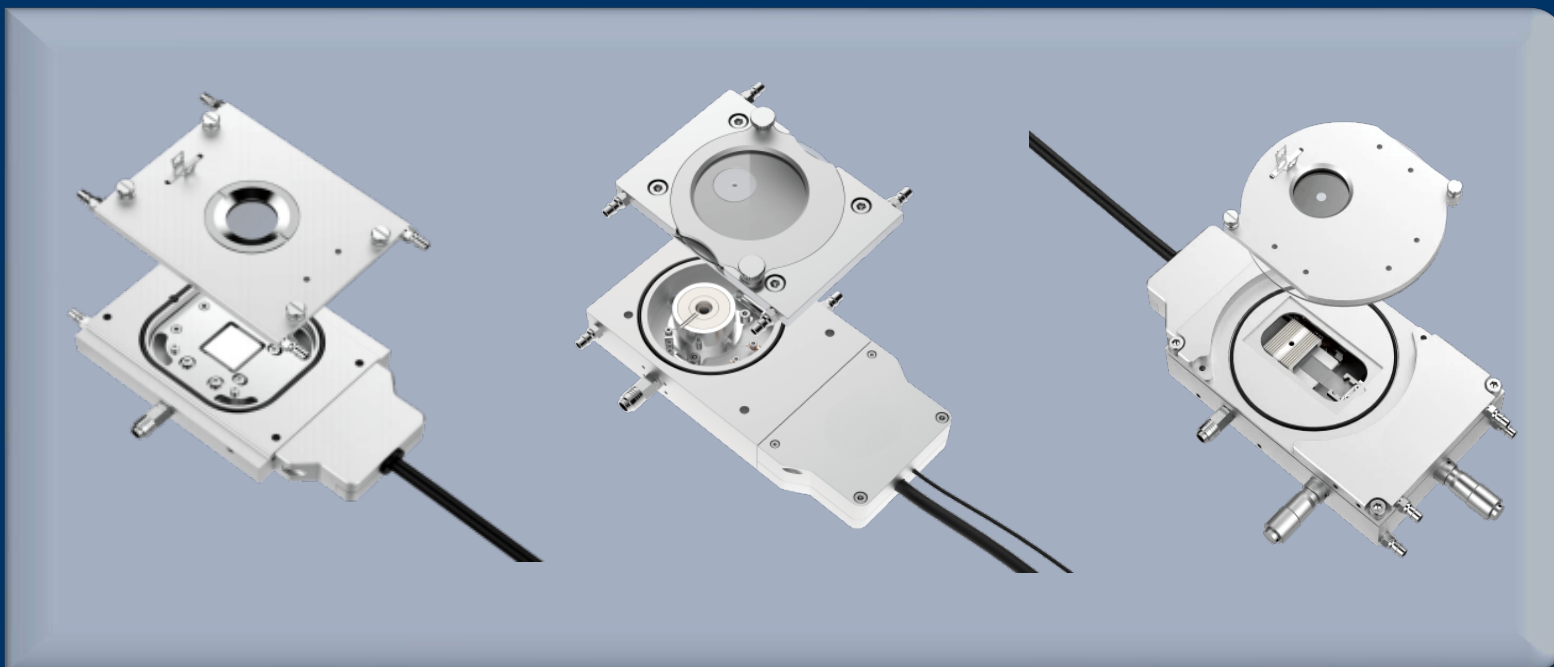


Optical UltraHot Stage

Precise temp control, wide temp range, optimized optical path,
window design.

- Excellent high-temperature performance
- Comprehensive customized services
- Compact structure and easy operation



One Platform Many Possibilities

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VLO-RT-1000/VLO-RT-1200



VLO-RT-1500RG



VLO-RT-1400RG-XY

Overview

Introduction to UltraHot Stage:

It adopts resistance heating to achieve precise temperature control and supports reflection or transmission optical paths to meet different observation needs. It is compatible with optical analysis instruments, supports customized expansion, can meet the needs of variable temperature optical testing in high-temperature environments in fields such as materials science, and has a structural design suitable for high-temperature experiments to ensure the safety and stability of the experiments.

Specifications

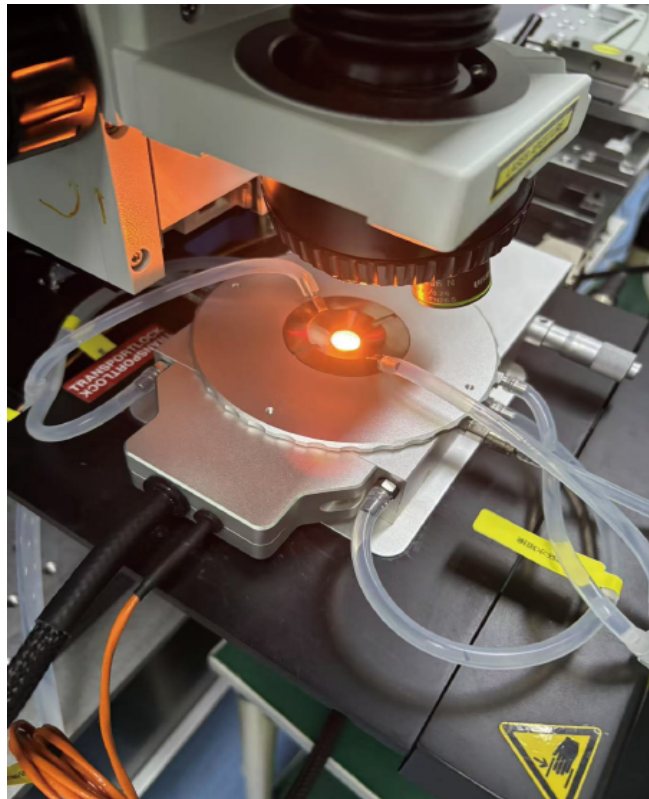
Parameter Item	Parameter Value
Core Heating Method	Resistance heating
Temperature Stability	±0.1°C
Window Configuration	JGS2 quartz glass (transmission band 220nm~2500nm, detachable and replaceable manually)
Adaptable Instrument Type	Optical analysis instruments (e.g., Raman spectrometers, microscopes, etc.)
Expansion Support	Customizable adapter plates, customized water circulators, computer hosts, customized temperature control software, etc.
Chamber Environment	Atmosphere-compatible
Core Application Field	High-temperature variable-temperature optical testing in materials science (e.g., metal melting and solidification, high-temperature recrystallization, crystal research, etc.)

Application

Materials Science: In-situ observation of high-temperature phase transitions, including metal melting, solidification, and recrystallization.

Crystal Research: Analysis of crystal growth and thermal behavior under controlled heating.

Optical Analysis: Optimized for integration with Raman spectrometers and optical microscopes for real-time thermal monitoring.



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	Sample Stage Size	Temperature Range	Net weight	Overall dimensions
VLO-RT-1000	Ceramics; 20mm×20mm	RT~1000°C	0.8kg	95mm×160mm×24mm
VLO-RT-1200	Ceramics; 20mm×20mm	RT~1200°C	0.8kg	95mm×160mm×24mm
VLO-RT-1500RG	Ceramics; φ 8mm×2mm circular groove	RT~1500°C	1.1kg	165mm×78mm×32mm
VLO-RT-1400RG-XY	Ceramics; 20mm×4mm×20mm (width xheight xdepth) through slot	RT~1400°C	1.1kg	190mm×100mm×31.5mm

 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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