Precision
Meets
Simplicity

Optical Tables

VL-G Series Pneumatic Self-Leveling Platform

"One-click quiet sub-hertz air cushion" —— Scientific research-grade air flotation platform

- 1.2 Hz air spring, 3 s automatic leveling, amplitude < 1.2 µm
- 800 kg/m² load capacity, ultra-quiet 65 dB, one-click access to "vibration-free island"

One Platform Many Possibilities

Contact Us sales@venuslabtech.com

Overview

Yah Hertz Air Cushion Island - 3-second one-click zero vibration

The VL-G series adopts imported AirTAC three-valve servo and semi-diaphragm air springs, with a natural frequency as low as 1.2 Hz, automatic leveling in < 3 s, and an amplitude of < 1.2 μm. The integrally welded bracket and 6 mm high magnetic permeability stainless steel tabletop provide a flatness of 0.02-0.05 mm/m², a height of 800 mm, adjustable range of -10 ~ +15 mm, and a load capacity of 800 kg/m², which can stack vacuum chambers or ultra-large spectrometers; The 25 mm M6 array holes are plug-and-play, and it comes standard with an ultra-quiet oil-free compressor (< 65 dB), creating a "one-click to quiet" work island for femtosecond lasers, quantum optics, and nanometer measurement.

Serivce & 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	Cross-sectional area of the supporting leg (mm)	Thickness (mm)
VL-G1008-50	120×120	50/100
VL-G1008-100	120×120	50/100
VL-G1208-50	120×120	50/100
VL-G1208-100	120×120	100/200
VL-G1209-50	120×120	100/200
VL-G1209-100	120×120	100/200
VL-G1509-100	120×120	100/200
VL-G1509-200	160×160	150/200
VL-G1510-100	160×160	150/200
VL-G1510-200	160×160	150/200
VL-G1809-100	160×160	150/200
VL-G1812-100	160×160	200/300
VL-G2010-150	160×160	200/300
VL-G2012-150	160×160	300
VL-G2412-200	160×160	300

📑 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
+65 8099 5547

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www.venuslabtech.com