

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

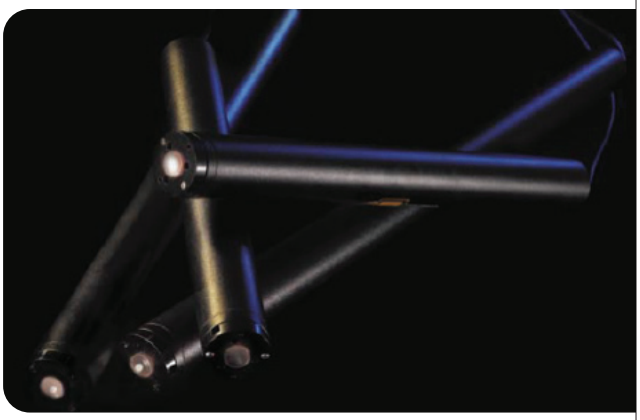
- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Infrared Cylindrical Helium-Neon Lasers



REO has been building lasers for over 20 years, and is now the world's leading manufacturer of high performance Helium-Neon lasers for applications such as confocal microscopy, ellipsometry, particle counting, food sorting and other demanding instrumentation applications.

REO has achieved this leadership position because we possess a combination of design and fabrication capabilities that are unique in our industry. For example, we are the only HeNe manufacturer to polish and coat its own laser mirrors in-house. This allows us to employ a variety of specialized techniques in both substrate polishing and thin film coating that minimize scatter and absorption, and yield very high reflectivity. Since the mirrors are the most critical components in a HeNe laser resonator, the result is maximum power for a given laser size, long operational lifetime, high stability and outstanding reliability.

In addition to providing a technically superior product, we're also focused on meeting the practical needs of OEM customers. This means supplying a product that meets a customer's specific needs in terms of packaging, performance, functionality, delivery schedule and cost. We accomplish this by leveraging the extensive technical expertise of our design and fabrication staffs, together with the use of flexible manufacturing processes.

If you need Helium-Neon lasers for performance critical applications, then ***think REO.***

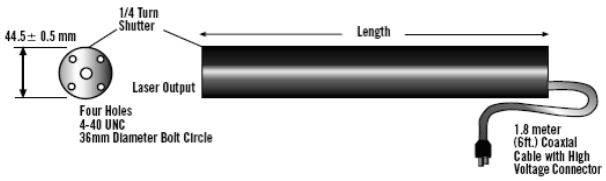
Features:

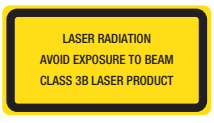
- Long Lifetime
- Superior Beam Pointing Stability
- Excellent Power Stability
- High Thermal Stability

Infrared Cylindrical Helium-Neon Laser Head Specifications

	LHIP-0201-115	LHIP-0101-152	LHIP-0201-339	LHIP-0501-115/339		LHIP-0101-152/633	
Optical							
Wavelength (µm)	1.15	1.52	3.39	1.15	3.39	1.52	0.633
Minimum Output Power (mW)	2	1	2	2.0	3.0	0.8	1.0
Maximum Output Power (mW)	5.0	5.0	5.0	10.0		5.0	
Power 3 Seconds After Turn-On (%)	> 75						
Linear Polarization	500:1						
Mode Structure	TEM_{00} > 99%						
Beam Diameter (mm)	1.09	1.36	2.02	0.90	1.55	1.36	0.87
Beam Divergence (mrad)	1.34	1.43	2.13	1.62	2.78	1.42	0.82
Longitudinal Mode Spacing (MHz)	375	316	316	316		316	
Beam Drift After 20 Minute Warm-Up (mrad)	< 0.2						
Long Term Beam Drift (mrad)	< 0.05						
RMS Noise (30 Hz - 10 MHz)	< 1%	< 1%	< 5%	< 20%		< 20%	
CDRH/CE Classification	IIIb/3B						
Electrical							
Starting Voltage (kVDC)	< 10						
Operating Voltage (VDC)	2700	2800	2800	2800		2800	
Series Resistors in Housing (k Ω)	94						
Operating Current (mA)	6.50						
Recommended Power Supply	32882						
Mechanical							
Weight (grams)	700	750	750	750		750	
Shock	15 g for 11 msec						
Operating Temperature (°C)	-20 to +70°						
Non-Operating Temperature (°C)	-40 to +80°						
Operating Humidity (%)	≤80						
Non-Operating Humidity (%)	≤95						
Operating Altitude (m)	0 to 3,000						
Non-Operating Altitude (m)	0 to 6,000						

	Length		Diameter	
	mm	inches	mm	inches
LHIP-0201-115	482.6 ±1.0	19.00 ±0.04	44.5±0.5	1.75±0.02
LHIP-0101-152	533.4 ±1.0	21.00 ±0.04		
LHIP-0201-339	533.4 ±1.0	21.00 ±0.04		
LHIP-0501-115/339	533.4 ±1.0	21.00 ±0.04		
LHIP-0101-152/633	533.4 ±1.0	21.00 ±0.04		





Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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