



2004
R&D™ Where Innovation Begins
100 Award

CORPORATE OVERVIEW

**WAVELENGTH SOLUTIONS FOR
APPLICATION-SPECIFIC PERFORMANCE**



“Wavelength solutions with application-specific performance serving customers in the Analytical, Life Sciences and Medical, and Telecommunications markets”

About Us

Headwall Photonics is a truly unique technology venture. Founded in May 2003 as the result of a management buy-out of Agilent Technologies' Holographic Grating Operation, the company is the world's leader in the design and high volume manufacture of optical modules, subsystems, and original holographic diffraction gratings. Continuing the rich engineering legacy of American Holographic (acquired by Agilent in 2000), Headwall offers its extensive worldwide base of customers a range of integrated optical wavelength solutions that are designed and manufactured for application-specific performance in the Analytical, Life Sciences & Medical, and Telecommunications industries.

Because of the breadth of our optical capabilities, we become a strategic extension of our customer's engineering organization. Our strength is in providing customers with engineering expertise and capabilities throughout the product life cycle - from product concept and optical design through high volume manufacturing.



Headwall (def) –
noun.

Mountaineering - a steep slope or precipice rising at the head of a valley or glacial cirque

Engineering – tackling and solving the toughest optical engineering problems in a collaborative manner to provide application-specific wavelength solutions for customers

Headwall's application-specific products are characterized by:

- ✓ Collaborative engineering approach
- ✓ Highly innovative spectral engine designs
- ✓ Unsurpassed optical performance and efficiency
- ✓ All original holographic gratings - no replicates
- ✓ Rapid prototyping
- ✓ Small form factor
- ✓ Environmental stability
- ✓ Telcordia compliant telecommunications components

Headwall Photonics, headquartered along the Massachusetts high tech corridor, is managed by established veterans from the analytical, medical products and telecommunications industries. The company is well-funded to capitalize on its world-class, ISO9001:2000 certified infrastructure and will continue to maintain its leadership in nanotechnology manufacturing.

Headwall
PHOTONICS



Fact Sheet

"World's leading supplier of original holographic grating technology and spectral engines"

Founded:	May, 2003
Headquarters:	Fitchburg, Massachusetts
History:	Management Buy-Out of Agilent Technologies Holographic Grating Operation Agilent Technologies acquisition 2000 Formerly American Holographic (established 1976)
Status:	Privately-held
Market Position:	Optical Nanotechnology Innovator
Market Segment:	Spectral Modules and Optical Sub-Systems
Innovation:	Innovative, application-specific spectrographs Original Holographic Gratings
Product Attributes:	Application-Specific Wavelength Solutions <ul style="list-style-type: none">✓ Spectrographs with high optical performance✓ Innovative, application-specific product design✓ High efficiency and low stray light✓ Small form factor✓ Environmentally stable✓ Telcordia compliant
Infrastructure:	20,000 Square Foot Manufacturing/Clean Room Facility (ISO 9001:2000 Certified)
Investors:	Agilent Technologies Applied Spectral Partners Private Equity Investors

"Headwall is an important asset and optical component provider for us. Their strategically focused innovation sharply extends the capabilities of our internal engineering teams, enabling us to achieve new levels of performance and granularity in the management and use of wavelengths."

*Executive VP,
Headwall Customer*



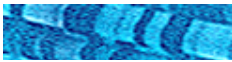
Market and Applications

Headwa
ICS



Analytical

- ✓ Color Measurement
- ✓ Process Monitoring
- ✓ Quality Control
- ✓ Environmental Sampling
- ✓ Hyperspectral Imaging



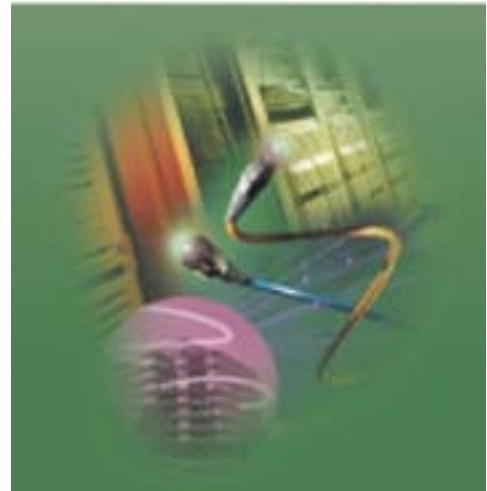
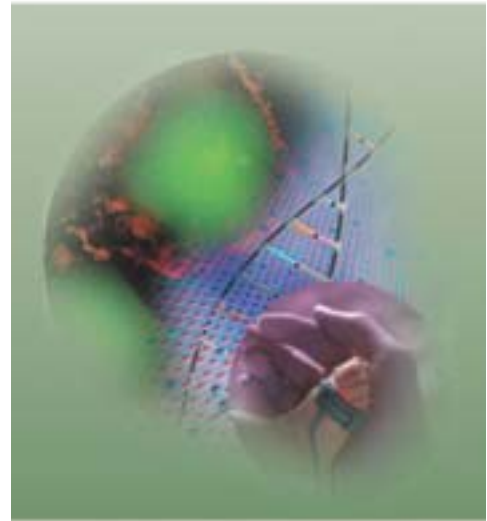
Life Sciences and Medical

- ✓ Medical Diagnostics
- ✓ Non-Invasive Imaging
- ✓ Raman Spectroscopy
- ✓ Optical Imaging Biopsy
- ✓ High Throughput Screening



Telecommunications

- ✓ DWDM/CWDM
- ✓ Optical Spectrum Analysis
- ✓ Channel Monitoring / Gain Equalizers
- ✓ Optical Switching
- ✓ Tunable Lasers





Headwall PHOTONICS

Headwall Photonics, Inc.

601 River Street
Fitchburg, Massachusetts 01420
Tel: 978-353-4100
Fax: 978-348-1864

www.HeadwallPhotonics.com
Information@HeadwallPhotonics.com

