



Communications.

Sensing.

Instrumentation.



## BREAKTHROUGH PHOTONIC PRODUCTS

ADVANCED MATERIALS • MICRO-MECHANICAL • NANO-STRUCTURE TECHNOLOGY



*Delivering tomorrow's optical and photonic solutions today.*

# Capabilities & Core Competencies

**Agiltron** is a vertically integrated developer and manufacturer of premium optical and photonic components and systems for communications, sensing and instrumentation. Our products are based on optical, micro-mechanical and electro-optic systems in combination with our competencies in manufacturing, imaging systems, infrared photonics, electronics, firmware and analytical software, and materials science, physics and biochemistry.

*Recognized as one of the fastest growing companies in the US.*

## **The Material Innovation Advantage™**

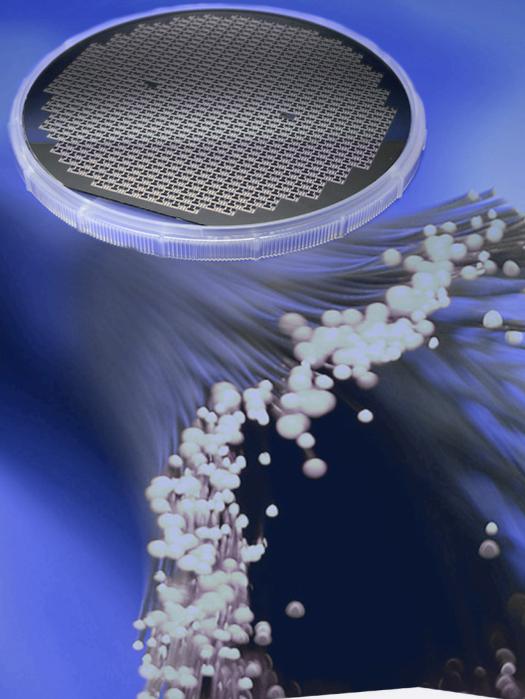
Agiltron's technical capabilities and competencies draw from innovative research and development. Based on breakthrough materials technology and in-house nano- and micro-fabrication capabilities, we design and manufacture cutting-edge solutions for communications, sensing and imaging.

Agiltron is an ISO 9001 certified optical systems manufacturer. With an experienced team of scientists and engineers and well equipped modern facilities, our commitment to research and development is unmatched. Our technology is covered by numerous issued or pending patents.

We serve our markets with both standard products and customer driven special product development and manufacturing services. Our manufacturing ability and commitment to service has positioned us as one of the nation's fastest growing companies.

# Fiber optic Components

Based on cutting edge MEMS, magneto-optical and electro-optical platforms, Agiltron offers an exceptional range of fiber optic components and all-optical switching systems with industry leading performance at the most competitive pricing. Our products include:



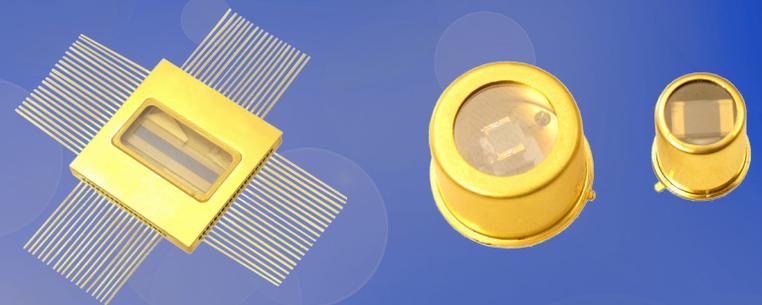
- NxM Crossconnect Switches
- Path Switches
- Variable Attenuators
- Modulators
- Variable Time Delay
- Tunable Filter
- Polarization Components
- Isolators & Circulators
- Splitters, Couplers, WDMS
- Fiber Coupled Lasers
- Tap Detectors
- Mechanical Fiber Splicer
- Fiber Optical Tools
- High Power Components
- Fiber Laser Components



# Imaging & Sensing

Agiltron's combination of photonics, nano-engineering, and nano-fabrication capabilities are leading to the development of sensors and imagers operation over the full electro-magnetic spectrum. Our development and product activities include:

- The world's most advanced photonic, electric and magnetic field sensors
- Optical Coherence Tomography (OCT) probes
- Micro-fabricated radiation detectors
- Silicon based NIR and SWIR imagers
- MEMS sensors
- IR detectors



# Advanced MEMS Technology

# Chemical & Biological Detection & Assay



Leveraging Agiltron's advanced MEMs and fiberoptic technologies, Agiltron offers an exceptional range of all-optical switching systems over broad wavelength and variety of optical fiber (SM, PM, MM up to 1mm core fiber).

Agiltron develops and manufactures vibrational spectroscopy products for rapid and cost effective detection and assay of chemical and biological materials. These products are based on the Raman scattering effect and include both conventional Raman spectrometers for analysis and identification at bulk concentrations, as well as highly sensitive Surface Enhanced Raman Spectroscopy (SERS) products especially suited for detection and identification of chem/bio materials at trace level concentrations. Agiltron offers technologically differentiated products for chemical and biological detection applications addressing the unique differences in the spectral characteristics and physical properties of these diverse materials.

## Raman Spectrometer Products

### PeakSeeker™



The PeakSeeker is our most practical and easy-to-use Raman spectrometer. It is an excellent choice for users who want a full featured, high performance Raman spectrometer but have a limited budget. The PeakSeeker is ideal for routine laboratory and portable use, Raman feasibility studies, teaching labs, or fundamental research and is expandable for the addition of both microscopy and SERS capability.

### PinPointer™



The PinPointer packs a full-featured Raman system in a true handheld unit and is very competitively priced. This is the next generation of the portable Raman spectrometer that was featured in an episode of CSI Miami and a cave exploring documentary by NASA scientists on the National Geographic Channel. Optimized for non technical users, the unit is controlled by a miniature Windows computer and features easy-to-use ID-find™ software that provides one-touch identification of unknown substances by immediate comparison of a measured spectrum to the on-board Raman spectral library.

## Surface Enhanced Raman Spectroscopy Products

Agiltron manufactures rSERS™ Surface Enhanced Raman media whose functionalized nano-structured surface enhances the magnitude of Raman spectra by approximately one-million times. The use of this enhancing media in combination with Agiltron Raman spectrometers enables the detection and identification of trace quantities of chemical and biological materials. All Agiltron spectrometers can be configured for SERS



# Company & Markets

Agiltron's Research & Development commitment enables continual innovation and industry leading product performance. Our competencies allow us to deliver unmatched technical solutions in combination with cost effective manufacturing. Our revolutionary and patented technology platforms allow our customers to achieve higher system performance at lower cost. We deliver tomorrow's optical and photonic solutions today.

This fundamental strength enabled the Company's profitable rapid growth. Our state-of-the-art U.S. photonic design and manufacturing facility allows us to serve a wide range of industries.

Our rapidly expanding customer list includes many U.S. Fortune 500 companies and major organizations around the globe. We strive to provide the markets with differentiated products offering industry leading performance and value.



Agiltron provides **performance and value**  
to customers around the globe.



**Agiltron, Inc.**

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