AGILTRON

Photonics
Electro-optics
IR Detection
IR Imaging
Terahertz Imaging
MEMS & Micro-optics
Nanomaterials

Delivering tomorrow's optical and photonic solutions today.

Capabilities & Competencies

Agiltron, Inc. is a vertically integrated developer and manufacturer of premium optical and photonic components and systems for communications, sensing and imaging. Our products are based on optical, micro-mechanical and electro-optic systems and nano-materials core technologies in combination with or competencies in manufacturing, imaging systems, LWIR/MWIR photonics, electronics, firmware and analytical software.

Our company designs, develops and volume manufactures advanced optical components and systems solutions based on breakthrough innovations in technology and processes. We provide differentiated products offering industry leading performance.

The Material Innovation Advantage™

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

Agiltron is an ISO 9001 certified optical systems manufacturer. With over 100 employees, including 40 PhD scientists and engineers, our commitment to research and development is unmatched. Our technology is covered by 50 issued or pending patents.

We serve the commercial and defense/aerospace 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 according to Inc. magazine and Deloitte & Touché USA.

Recognized as one of the fastest growing companies by both Inc. magazine and Deloitte & Touché USA.

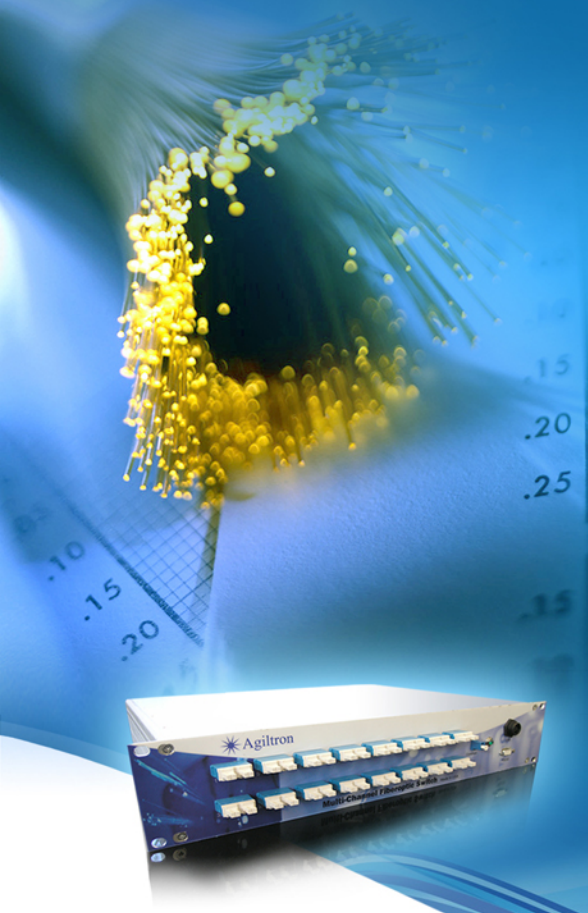
Deloitte.
Technology Fast50

Inc. 500

Fiberoptic

Components & Systems

Based on multiple cutting-edge technology platforms, Agiltron offers a wide breadth of fiberoptic components at the most competitive prices with industry leading performance. Our product offerings include:



- Path Switches
- Wavelength Switches
- Variable Attenuators
- Modulators
- Variable Time Delay
- Tunable Filters
- Polarization Components
- Isolators & Circulators
- Splitter, Couplers, WDMs
- Fiber Coupled Lasers
- Tap Detectors
- DPSK Demodulators
- Impairment Detectors
- Mechanical Fiber Splicer
- Fiber Optical Tools
- High Power Components
- Fiber Laser Components
- Gain Clamped EDFA

Infrared Detectors

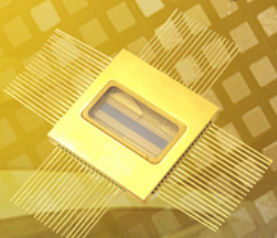
Agiltron's Lead salt detectors operate in a photoconductive mode that becomes less resistant upon infrared radiation. They absorb energy selectively in the infrared bands of 1-3μm (PbS) and 3-5μm (PbSe), respectively. Typical applications include moisture measurement, gas sensing, and chemical analysis. All packages are 100% tested and available for immediate delivery.We offer standard and customized lead selenide (PbSe) and lead sulfide (PbS) infrared detectors and infrared arrays. These detectors are manufactured in accordance with ISO quality control standard. Agiltron offers extensive customer support.

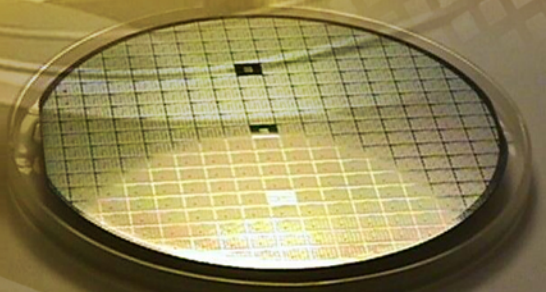
PbS Detector (1-3μm)

PbS Array

PbSe Detector(2-5μm)

PbSe Array





Imaging & Sensing

Imaging and sensing introduction.

Terahertz Camera

Agiltron's THz Camera Module offers realtime THz imaging in an uncooled package with size, weight, power consumption, and cost orders of magnitude lower than any other commercially available THz imager.

Nanomaterials & Coatings

Graphene Nanosheets

The functionalized graphene sheets (FGS) produced by Nanotrons Corporation have high BET surface areas of over 820 m2/g, among the highest on the market. The functional groups (COH, CO, COOH) allow good dispersion of the graphene sheets in most of solvents through simple sonication. Nanotrons high performance FGS have many great commercial, military, and aerospace applications.

Transparent Conductive Nanopaint™

NanoPaint™ is a high-tech coating that can be applied to objects of nearly all shapes, sizes, and materials, including plastics and glass. The nanocomposite paint offers superior optical clarity, adhesion, and scratch resistance compared to alternative coating methods. NanoPaint™ transparent conductive coating technology has a broad range of applications, including electrostatic dissipation (ESD), EMI shielding, and for opto-electronic devices. Samples are available for qualified customers.

SPALAS Coating System™

Automated SPALASTM coating system is developed for a new type of nano-enabled optical coatings. SPALASTM coating is a wet chemistry layer-by-layer absorption process, based on chemical or electrostatic interactions between the material building blocks.

Ultra Long Silver Nanowires

Well-dispersed passivated ultra-long Silver NanoWires (AgNW) produced by Nanotrons Corporation combine the high intrinsic electrical and thermal conductivity, ductility, tensile strength and environmental stability of silver with the low concentration percolation benefit of this ultra-high aspect ratio nanomaterial. Silver NanoWires can find great applications for printed inks, adhesives, solar, display, and anti-microbial.

Chemical & Biological Detection & Assay

PeakSeeker™

The PeakSeeker by Raman Systems is our most practical and easy-to-use Raman spectrometer. It is an excellent choice for users who want a full featured Raman spectrometer but have a limited budget. The PeakSeeker is ideal for Raman feasibility studies, teaching labs, or fundamental research.

PinPointer™

The PinPointer packs a full-featured Raman system in a true hand-held 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. 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.

Company & Markets

AGILTRON's forefront R&D commitment provides continual innovations and industry leading performance. Our competences result in the unique ability to deliver unmatched solutions in combination with cost-effective manufacturing. Based on revolutionary and patented technology platforms, we enable our customers to achieve higher system performance and lower cost. We deliver tomorrow's optical solutions today.

This fundamental strength enables the Company's profitable rapid rate of growth since 2001. Our state-of-the-art US photonic design and manufacturing facility allows us to serve a wide range of industries that include Defense/Aerospace, Datacom, Telecom and Instrumentation. Our rapidly expanding customer list includes many US Fortune 500 companies and major communication/network companies around the globe. We strive to provide the markets with differentiated products with industry leading performance and value.

Agiltron has over 100 employees, including 40 Ph.D. scientists and engineers, and occupies 27,000 square feet with three production clean rooms.

Agiltron provides **performance and value** to major defense, security, and communication/network companies around the globe.

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