



Avo Photonics

Custom Design, Development, and Manufacturing Services

Opto-Electronic Components and Systems

LIGHT. PRECISELY.



SERVING SOLUTIONS

Avo Photonics was founded with one principle goal: to accelerate the creation of opto-electronic components, modules, and systems. This is why service is our only product. We provide complete and convenient design, development, and manufacturing services to our clients. It is our pleasure to collaborate with visionaries across all markets, helping to turn their ideas into reality.

Our clients are focused on quickly providing quality photonic-based products at market-captivating costs. Avo meets this need by acting as the link between inception and final product. Avo is your trail guide, providing the right amount of support and direction your product needs. We are passionate about removing the photonic technology barriers that can hinder products from reaching end users. At the nexus of several photonic markets, we are truly experts in all aspects of the application of light. We bring that expertise to all of our projects.

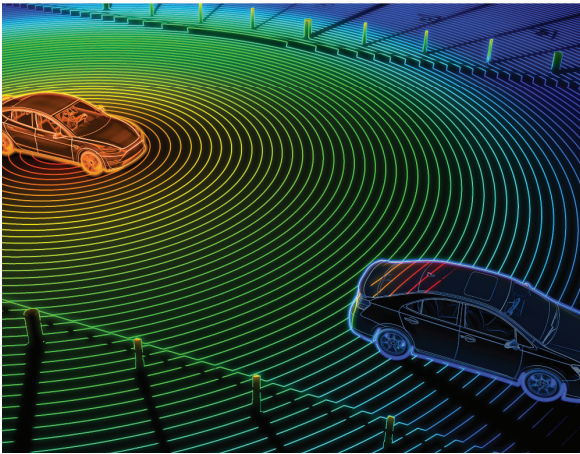
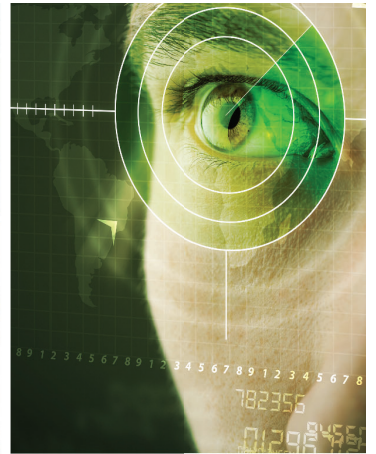
Avo Photonics does not produce or develop its own products. This allows every Avo employee to be dedicated in providing you with rapid, confidential, and detail oriented service. Our unwavering commitment is why Avo Photonics is the trusted source for photonics design through manufacturing.

We provide you with **Light. Precisely.**



OUR MARKETS

Medical. Communications. LiDAR. Remote Sensing.
Aerospace. Defense. Industrial.



DESIGN.

EFFECTIVE

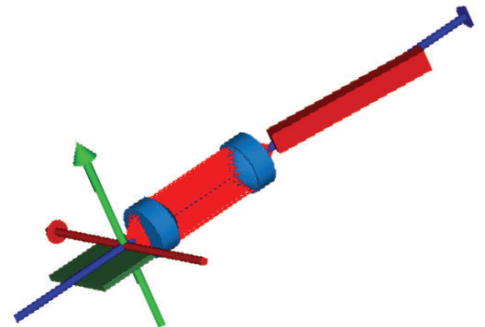
When you dream of a smaller, more rugged product, Avo Photonics has the design expertise to make this a reality. Through innovative optical, mechanical, thermal, electrical, and system design, we can create solutions that balance performance and physical specifications within cost and time constraints. Instead of spending your money on the slow and incessant revisions of incomplete ideas, our engineers use their expertise to create comprehensive solutions, the first time around.

CONFIDENTIAL

Avo strictly maintains your requirements for confidentiality. In addition, you can own the unique design intellectual property Avo produces during the program. This includes signing over all licensing for patents generated. Our detailed reports and weekly status reviews help us fully understand your hard and soft requirements, and establish transparency in our collaboration.

FLEXIBLE

Avo's engineers are fluent in design software such as ASAP, GLAD, SolidWorks, Pro/E, and many more. We are always willing to adapt and customize the design process to fit your needs. Our design approach opens the door for innovation, which ensures final success.



DEVELOP.

EFFICIENT

Avo Photonics appreciates your need for rapid development. We account for all of your parameters upfront, including the product design, materials, and assembly processes. Additionally, we consider the effects of environmental exposure and analyze pass/fail test points, allowing us to quickly understand factors that contribute to the cost, performance, and reliability of your prototypes.



CONNECTED

Avo uses our established connections to qualified, worldwide vendors to quickly select the correct, cost-effective parts for your project. In addition, we emphasize a thorough incoming inspection process. To minimize excess spending, we are capable of integrating project-specific assembly stations with Avo's existing capital equipment. Throughout the build, our project engineers continuously ensure the quality of parts and systems through sub-assembly tests. The result is a verified pilot with initial process documents that translate efficiently into volume manufacturing.

COMMUNICATIVE

Avo believes that sharing information promotes trust. To truly become an extension of your team, we provide consistent and honest feedback during the development phase. Our "lessons learned" inform the customer of improvements made and properly sets up your product for its final stage.



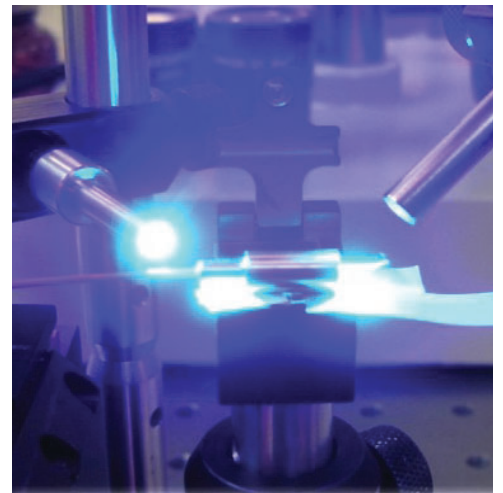
MANUFACTURE.

CUSTOM

Avo Photonics does not define manufacturing by a number. Whether you need to produce one product a year, or one every minute, Avo's manufacturing facility can be customized to suit your needs. Our combination of manual, semi-automatic, and automatic manufacturing capabilities makes us an ideal partner at any volume.

QUALITY

Our manufacturing quality is inspired by the aerospace laser development cleanroom culture: precise, traceable, and responsible. Clients trust us with the tasks of sourcing, procuring, inspecting, and cataloging materials for their product. Our US location is convenient to customers who are concerned with confidentiality and quick turn-around. To cut your cost and increase efficiency, our class 100 - 10,000 clean room operations, ISO and ITAR certifications direct our detailed work processes. We assure the reliability of your product by providing environmental and performance testing, ensuring your high standards are met for each unit.



PRACTICED

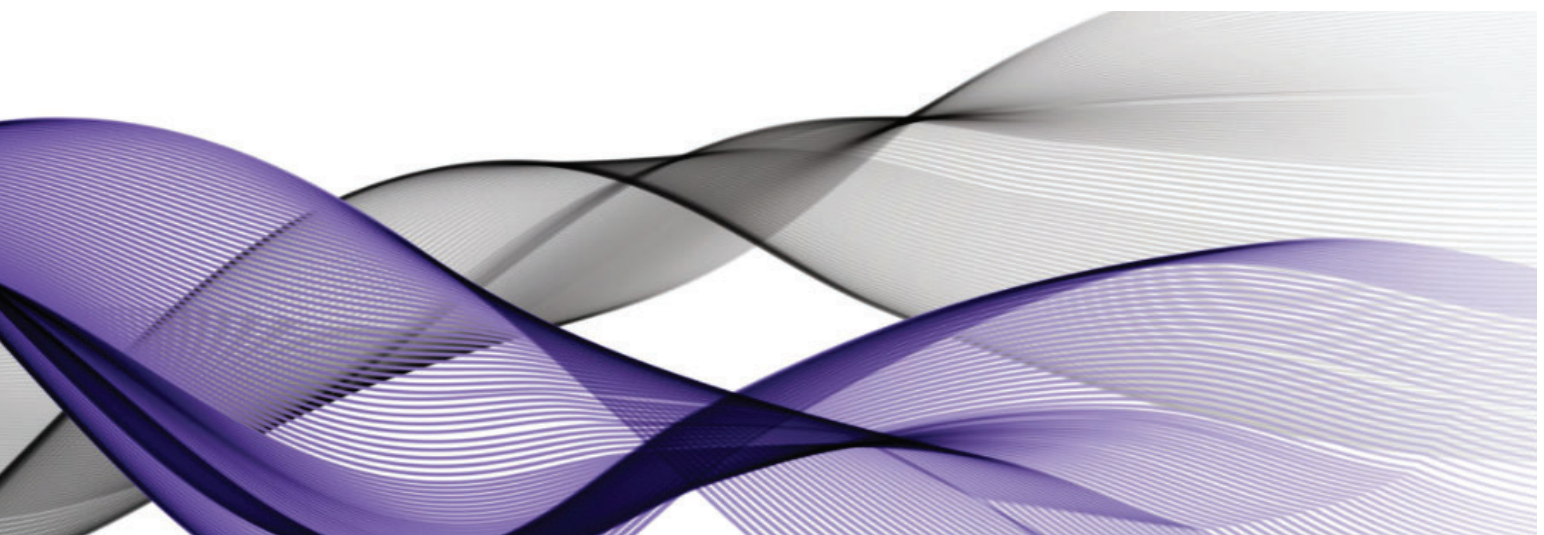
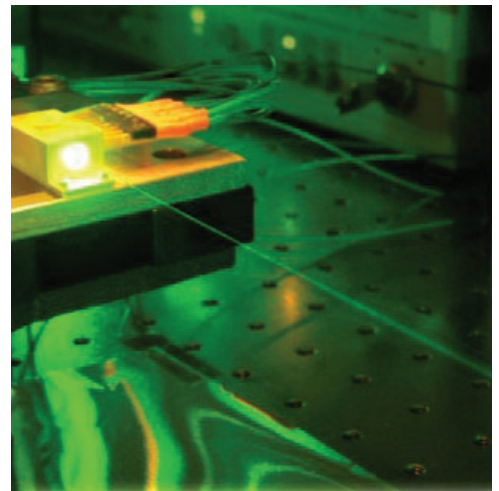
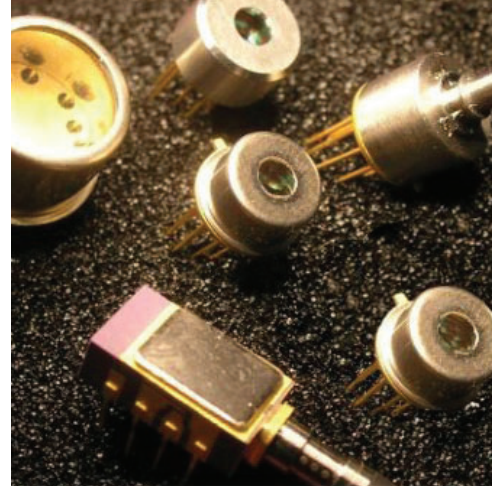
Avo works on your project with care and competence resulting in identical units and predictable delivery. When you produce with Avo, we give you the freedom to focus on your sales and next generation of products while we handle the rest.



DESIGN THROUGH PRODUCTION

EXAMPLES OF DESIGN THROUGH PRODUCTION:

- Tunable Lasers
- Spaceborne Lasers
- Low-Light Detectors
- Spectrometers
- Vacuum Sealed IR Imagers
- LIDAR Components & Systems
- Nonlinear Optic (PPLN) Waveguide
- High-Power Fiber-Coupled Isolator
- High-Power DPSS & Fiber
- High-Power Collimator Arrays
- Chip Die & Wire Bonding
- Confocal Fluorescence Microscopes
- Medical Photometers
- Bio-Chem Detectors
- Fiber-Coupled Modulators
- QCL-based Systems
- TOSA/ROSAs





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