



Consultive Approach

Work with our team of technical consultants to document your market, user, and design requirements. Together we'll define the scope of your project and illuminate the unknowns for a successful product launch.



Rapid Prototyping

We understand that a successful product launch is dependent on meeting project deadlines and design requirements. With our in-house manufacturing capabilities we will work with you to rapidly prototype and iterate on your product design.



Innovative Design

Our industry leading project managers will review your project requirements and work closely with you in every step of the design phase. From concept development to build and test documentation, our team is dedicated to your product's success.



Flexible Manufacturing

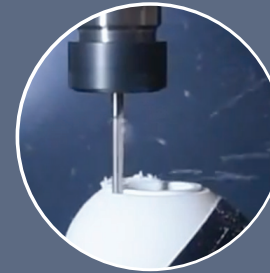
From alpha and beta builds to pilot production runs, our OEM model is optimized to meet your time to market, resiliency, and end market requirements.



Scalable Manufacturing

As your project evolves with the market, our OEM team is here to support and sustain your product throughout its lifecycle with a dedicated technical consultant at every step of the way. We continually enhance our capabilities by investing in a focused portfolio and people.

What Makes Us Unique?



Technologies

Light Engines and Light Control, Lambertian Sources, Sensor Integration, Light Measurement Techniques, Diffuse Coatings and Materials, and Integrating Sphere Design



In-house Process Control

From simple integrating hemispheres to mechanically complex diffuse reflectance accessories and everything in between, harness our mechanical and optical systems engineering capabilities to optimize your product.



Complete Optical System Solutions

Radiometry and photometry are our specialty. With a team of talented optical, electrical, and systems engineers Labsphere will work with you to deliver a complete optical system to integrate into your product.

In-house Assets that Work for You at Every Stage



Consultation

Consultive Approach

Understanding your problem, objective, and priorities first

Knowledge Leadership in Radiometric Systems, and Applications and Design

Optical, Mechanical, Electrical, Software, Materials, Systems Design, and Materials Engineers and Scientists

Customer Engagement

Centric Iterative Design Process: MAHD - Modified Agile for Hardware Development, LiquidPlanner, and SOWs for tracking commitments to excellence



Design Tools

Software Design

C#, C++, LabVIEW, Python, and HTML

Mechanical Design

SolidWorks, PDM, Simulation of Thermal (CFD) and Flow (CFD), and Stress (FEA)

Optical/Systems Modeling

Zemax, TracePro, and MATLAB



Prototyping and Manufacturing

Rapid Prototyping

Extensive development tools and expertise, In-house machining, and multiple 3D printers

Advanced In-house Materials Processing

Vacuum ovens, clean room, coatings and materials laboratories, and processing and services

Validation and Test

Optical comparator, four calibration laboratories, and 4 and 5-axis machining



Support and Sustain

Support

Dedicated OEM account managers and internal teams, 40 plus international dealers or representatives, and direct employees in industrious regions of the world.

Scalable

In-house capabilities, established supply chains, and OEM and production volume layouts to accommodate low to high volume (>20,000 units/yr.)

Labsphere

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