

CUSTOM OPTO-ELECTRONIC MODULES

Lincoln Laser is equipped to design, machine, assemble, align and test opto-electronic modules. We can manufacture your design or assist with design, prototyping and production.

Lincoln Laser's capabilities include:

- 4 & 5 axis CNC machining to 0.0002"
- Honing to 0.000010"
- Polishing to 0.000001"
- Diamond turning
- Optical coating
- Clean room assembly
- Fully equipped metrology lab
- Optical Engineering
- Mechanical Engineering
- Electrical Engineering
- Software Engineering
- Large optical benches in fully equipped work centers

Lincoln Laser has decades of experience manufacturing complex opto-electronic modules for a wide range of applications.



Optical Module used for Prepress Plate Making System.

MISSION STATEMENT

To develop and manufacture scanning components and Electro Optic modules, while maintaining high quality standards with exceptional customer service.



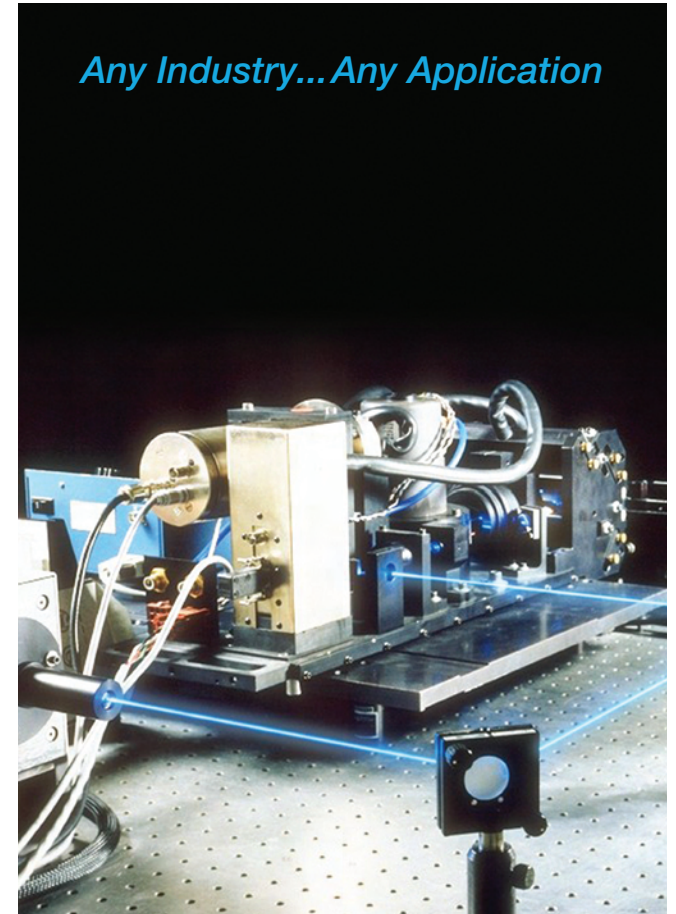
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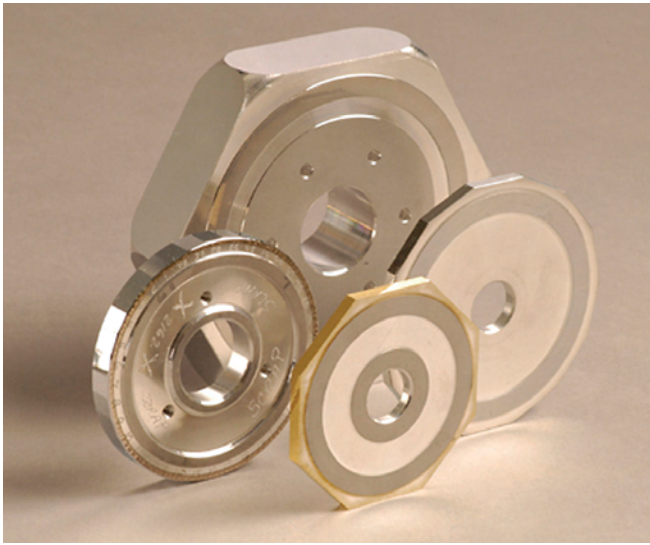
ANY INDUSTRY... ANY APPLICATION



Any Industry... Any Application



PRECISION
LASER BEAM
DELIVERY
SYSTEMS



MIRRORS, MOTORS AND CONTROLLERS WITH A FOCUS ON MAXIMUM PERFORMANCE.

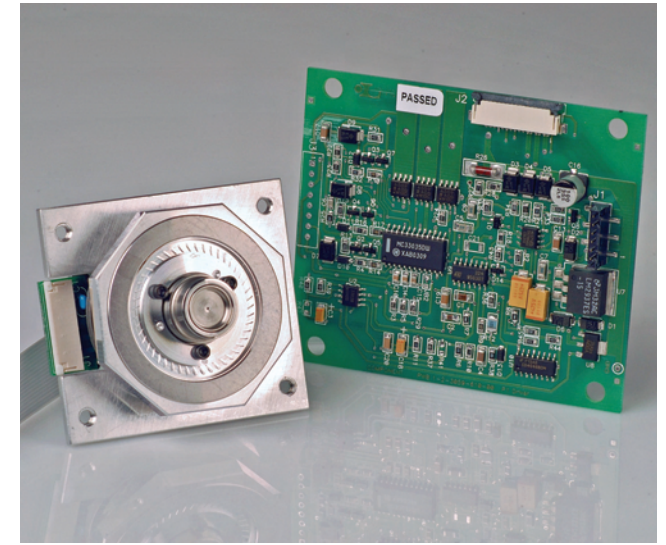
- High scan rates . . . over 100 KHz!
- Accuracy to 10 arc seconds and facet flatness to 1/8 wavelength
- Optical coatings for all laser wavelengths, UV to IR
- Polygons over 300 mm in diameter with any number of facets
- Normal Facets, Pyramidal Mirrors and Angled Facets for 2D scanning

Need just one prototype polygon laser scanner?

Have a special requirement that requires custom design?

Call Lincoln Laser, we can do it!

From quantity one to thousands, Lincoln Laser can deliver exactly the scanner you need for precision laser beam delivery!



FOR OVER 30 YEARS, Lincoln Laser Company has provided custom engineered and manufactured solutions for laser beam delivery systems and laser-based technologies. Our current products include polygon mirrors, motors, control electronics, precision spindles and electro-optic modules. Lincoln Laser is your 'one stop shop' providing extensive engineering expertise and manufacturing resources for component, subassembly or module level projects, prototype to production.

Any Industry...Any Application.

MIRRORS, MOTOR POLYGON ASSEMBLIES AND OPTICS MODULES FOR ALL APPLICATIONS:

MEDICAL — LASIK, Dermatology, Retinal Imaging, X-Ray Film Digitizing . . .

BIO-MEDICAL — OCT, OFDI, Confocal Microscopy, Biological Screening . . .

AGRICULTURAL — Food Inspection, Sorting, Wood Structure . . .

PROCESS CONTROL — Web Inspection, Defect Detection, Semiconductor . . .

PRINTING — Large Format Laser Printers, High Res Computer To Plate . . .

SCANNING — 2D/3D, Low Light, Monochromatic, High Optical Density . . .

TERRAIN MAPPING — LIDAR/LADAR, Range Finding, Collision Avoidance . . .

METROLOGY — Laser Radar, Laser Micrometer, Surface Analysis . . .

HIGH POWER — Welding, Cutting, Perforation, Heating, Ablation . . .

OTHER APPLICATIONS — Any industries that require the precision movement, collection or projection of laser beam sources at various wavelengths.



STANDARD OFF-THE-SHELF, READY TO MANUFACTURE OR CUSTOM SCANNERS.

Available immediately!

Lincoln Laser stocks several polygon scanners. Three different models to fit your requirements complete with drive control electronics. These inexpensive "Standard Off-The-Shelf" scanners are popular for doing proof of concept research.

Need something special but without the time to go custom?

Lincoln Laser has designed polygon scanners with a range of scan rates, number of facets and polygon size. Choose from a growing list of Ready To Manufacture designs. Select the number of facets, polygon size, optical coating and RPM that best suits your application. Save the time and cost of a completely custom scanner with a design that is Ready to Manufacture.

Need Custom or not sure?

Lincoln Laser is experienced at providing solutions for precision laser beam delivery. Our engineers can help analyze a requirement and recommend options or provide a complete optical design. Customers worldwide depend on Lincoln Laser for their unique laser scanning requirements.

