



Optics and Optical Coatings
Opto-Mechanics
Manual Positioners
Motion Control Products
Light Sources
Optical Tables and Breadboards
Laser Safety

PRODUCT OVERVIEW

Thank You for Considering OptoSigma Corporation

OptoSigma is the global brand name for our products. OptoSigma Corporation is celebrating its 20-year anniversary in Southern California, supporting North & South America. OptoSigma Europe opened its doors in early 2014 in France. OptoSigma is a wholly owned subsidiary of our parent company, Sigma Koki Co., LTD, headquartered in Tokyo Japan, established in 1977. Our mission remains the same as it was on the first day, to be a partner in your success. We continue to support you throughout the research, development, prototype and production process, locally and global.

A Focus on Serving You

A commitment to customer service is more than a slogan; it's part of everything we do and excellence is expected. We are customer centered and ready to provide solutions for all of your applications. We offer an extensive range of programs to meet your specific inventory needs, from inventory forecasts to ensure that we have the products when you need them to custom inventory programs tailored to your specific requirements. We offer our customers "just-in-time" supply chain management all the way to our manufacturing facilities.

Premium Products And Service Without the Premium Price

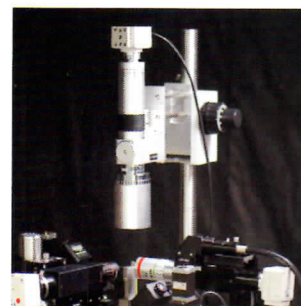
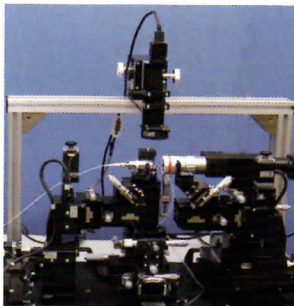
We are a global manufacturer of Optics and Optical Coatings, Opto-Mechanics, Manual Positioners, Motion Control Products, Light Sources, Optical Tables and Breadboards, Application Systems, and Environmental and Laser Safety products. Our modern, company owned factories in the United States and Pacific Rim are the source for over 90% of our products in this catalog. Prototype and production quantities are manufactured by our facilities in Southern California, China and Japan. With our experienced engineering support and efficient manufacturing, we can provide OEM volumes of premium products, standard and custom, at competitive prices.

We're Looking forward to Being Your Single Source

We invite you to compare OptoSigma Corporation prices and service to the rest of the marketplace. You'll see that selecting us as your single source gives you simple, efficient, affordable solutions for all of your photonics needs.

Custom Optics and Opto Mechanics

We manufacture a large mix of custom components and assemblies in all of our product categories. From R&D to high volume production, modified catalog to complete custom designs, we welcome your requirements.

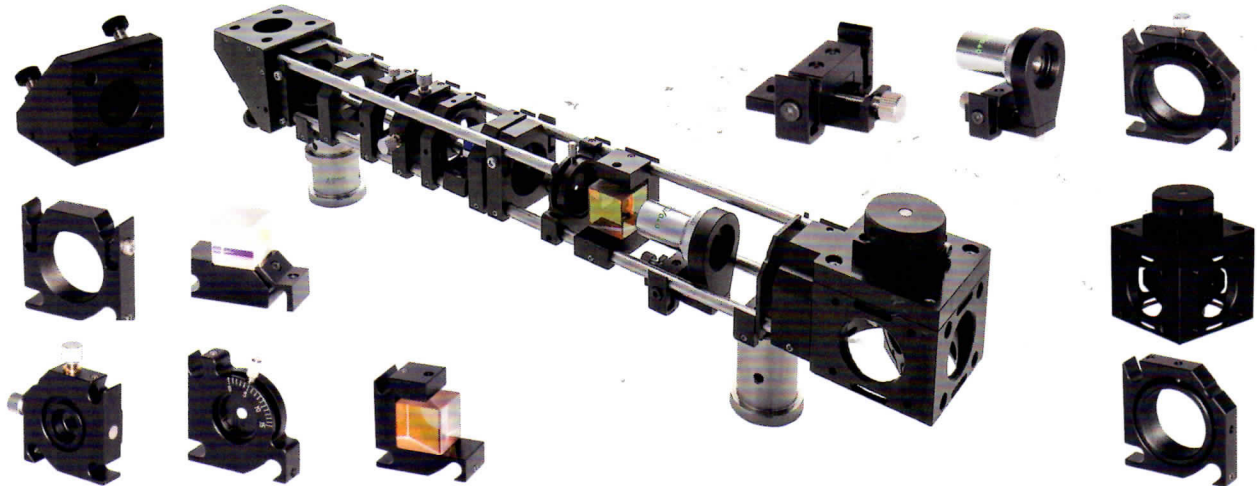


Our success is measured by our growing number of satisfied customers. We guarantee our products and services and our team is ready to provide local and global support to your success.

Cage System

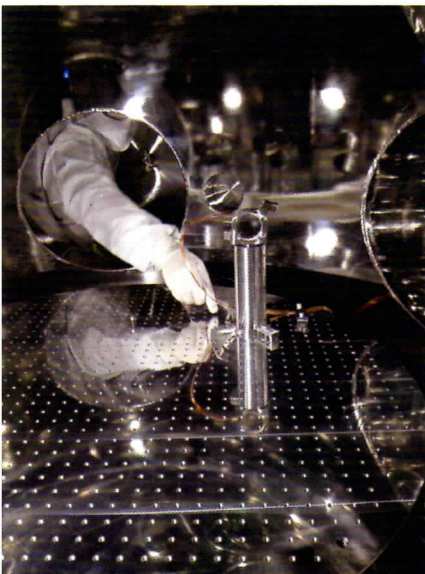
The OptoSigma Cage System is a family of components that allow optical systems to be built using a rigid, easy to assemble framework. Made in Japan with world class craftsmanship to exacting standards for maximum stability and ease of use. There are two sizes available, the P16 (16mm pitch between the rods) for 1/2 inch (12.7mm) optics and the P30 (30mm pitch between the rods) for 1 inch (25.4mm) optics.

A variety of holders are available for mounting mirrors, lens, polarizers, beamsplitter cubes and C-mount cameras.



Ultra High Vacuum Opto Mechanics.

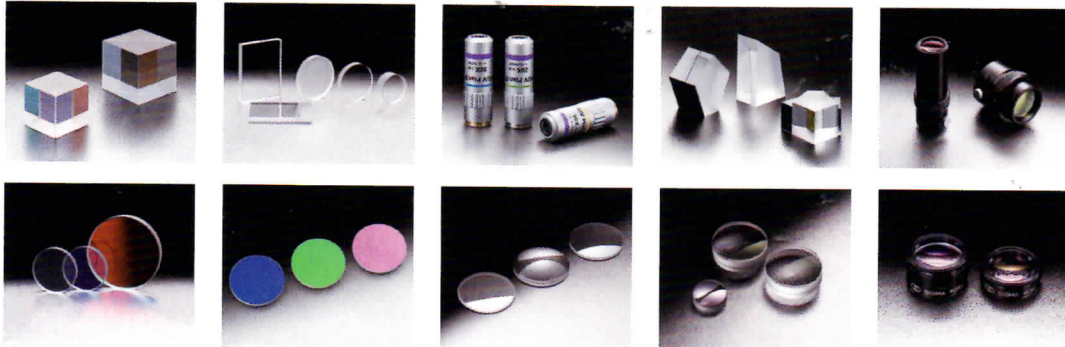
Made using all Stainless Steel parts, these components are designed, manufactured, cleaned and packaged for use in ultra high vacuum systems at pressures below 10^{-9} torr.



Optics & Optical Coatings

Thousands of Standard Items in Stock.

- ✓ Lenses: Single, Double and Multi Element including Beam Expanders, Telecentric Scanning Lenses and a large selection of microscope objectives
- ✓ Mirrors: Dielectric and Metal
- ✓ Beam Splitters: Cubes, Plates and Polarizers
- ✓ Filters: Short Pass, Long Pass, Band Pass, Neutral Density
- ✓ Substrates: Prisms, Windows, Curved Surface
- ✓ Custom capabilities for High Power Laser and Imaging Applications
- ✓ Catalog and Custom Coatings on Catalog Parts, Custom Parts and Customer Supplied Parts



Opto-mechanics

Unique Designs for Stability, Compactness, Versatility and Compatibility. Entry Level to High End.

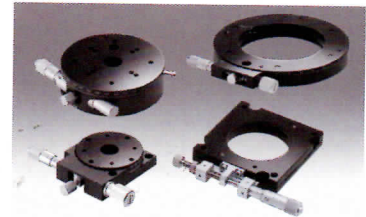
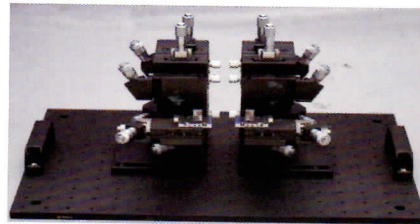
- ✓ Mirror Mounts, Beam Splitter Holders
- ✓ Lens Holders, Polarizer Holders, Filter Holders
- ✓ Laser Mounts, Cube Mounts
- ✓ Posts, Pillars, Pedestals, Labjacks, Rails and Carriers



Manual Positioners

Industry Leader in Manual Positioning Products with hundreds of options available.

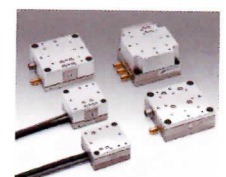
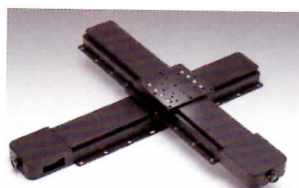
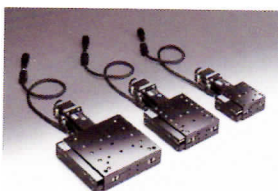
- ✓ Linear: Steel Extended Contact, Aluminum Crossed Roller, Brass Dovetail, Vacuum
- ✓ Rotation: Wormgear, Micrometer, Crossed Roller, Vacuum
- ✓ Goniometers: Steel Extended Contact, Aluminum Crossed Roller, Brass Plain Bearing, Vacuum
- ✓ Custom Configurations using Standard Products as well as Custom Designs



Motion Control

High Quality, High Value Products for a Large Variety of Motion Control Applications.

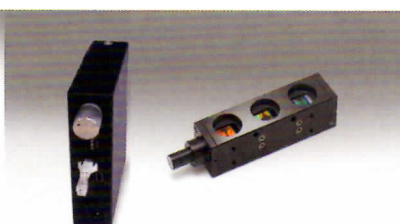
- ✓ Linear: Stepper Motor, Servo Motor, Piezo
- ✓ Rotation: Stepper Motor, Piezo
- ✓ Goniometer: Stepper Motor
- ✓ Vacuum: Linear, Rotation and Goniometer



Light Sources

For Test, Measurement and Inspection.

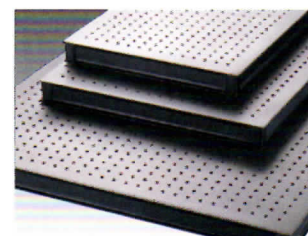
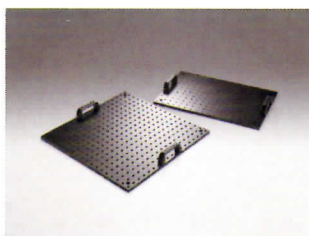
- ✓ Helium Neon and Diode Laser systems
- ✓ High Intensity LED, Halogen and Metal Halide light sources and light guides
- ✓ Coaxial and spot illumination in Red, Blue, Green and White
- ✓ Structured LED illumination including Ring, Coaxial and Extended sources



Optical Tables And Breadboard

Vibration Isolation Systems and Breadboards for all Applications.

- ✓ Full size Optical Benches and Work Stations with Pneumatic Vibration Isolation or Fixed legs
- ✓ Tabletop Vibration Isolation and Breadboards with Active, Passive or no Isolation
- ✓ Aluminum Baseplates with hole patterns in M2, M4, M6 and 1/4-20 Threads
- ✓ Custom Sizes and Features available



Eyewear in a wide variety of styles for an even wider variety of wavelengths and power

YL-760

Eyewear in a wide variety of styles for an even wider variety of wavelengths and power



YL-335

14 options for high absorption, multi-band and low attenuation for alignment



YL-717

19 options for high absorption, multi-band and low attenuation for alignment



YL-120

Laminated Glass
2 options for high absorption
3 second direct laser protection



YL-130

8 options for high absorption, multi-band and low attenuation for alignment



YL-290

7 options for high absorption, multi-band and low attenuation for alignment



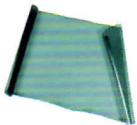
YL-250

Tempered Glass, chemical resistant lenses, 3 options for high absorption



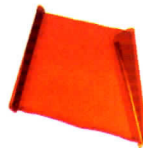
Soft PVC Film To quickly and easily add Laser protection to existing windows.

✓ YL-600 (not shown) - Blue (632.8, 570-694.3nm), Green (740-910, 700-1000nm) or Amber (266,355,532,1064nm)



YLC-1

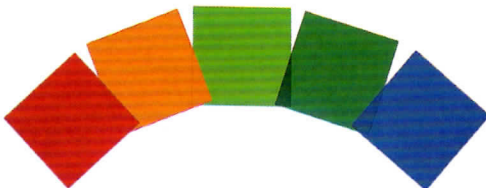
Clear Gray for wavelengths:
266,355,1064,2100,10600 nm



YLC-2

Clear Orange for wavelengths:
190-380, 441-532 nm

Acrylic windows for built in Laser Safety



YL-500P

Red -NdYag (480-540nm)
Orange -Argon (200-514.5nm)
Green -NdYag (900-1200nm)
Green -CO2 (10600nm)
Green -Fiber (920-1175nm)
Blue -Diode (632.8,760-850nm)
Amber -NdYag (266,355,532,1064nm)



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