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LBTEK-YOUR TRUSTED PARTNER FOR OPTOELECTRONIC EXPERIMENTS!

ABOUT US

Founded in 2018, LBTEK is a high-tech enterprise specializing in the research, development, production, and sales of optical components, optical modules, optical systems, and optical instruments and equipments. We are committed to provide high-quality products and solutions for users in the optical field, promoting development of optical technology.

ABOUT LBTEK

LBTEK (www.lbtek.com) is a high-quality, convenient, and comprehensive optoelectronic experiment toolbox designed specifically for users. LBTEK offers high-quality experimental devices and integrated solutions for optical users and corporate R&D engineers. With thousands of products, LBTEK also features the LBTEK Classroom for knowledge sharing and the LBTEK Forum for experience communication among optical users, helping them enhance laboratory productivity and innovation. LBTEK currently serves over 200 universities and research institutes, more than 300 innovative enterprises, and has assisted over 10,000 professionals.

OUR CULTURE

Mission

To advance technological civilization through optical technology.



Vision

To become a world-class provider of optical products and solutions.



Core Values

Customer Success
Innovation and Progress
Integrity and Honesty
Teamwork and Collaboration



7000+ PRODUCTS FOR ONE-STOP SHOPPING

www.lbtek.com



Micro-Nano Optics



Optical Components



Optical Systems



Fiber Optic Components



Optical platforms and Breadboards



Opto-Mechanical Components



Motion Control



Laboratory Tools



Light Source



Optical Teaching Systems



Beam Measurement and Analysis



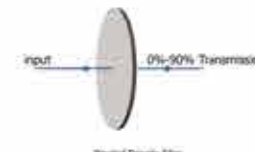
Instruments and Equipment



**JOIN OVER 10,000 OPTICS PROFESSIONALS AND
EXPERIENCE THE PREMIUM SERVICES OFFERED BY LBTEK**

Combo Recommendations

Lead Time



Micro-Nano Optics

I Light Field Modulation



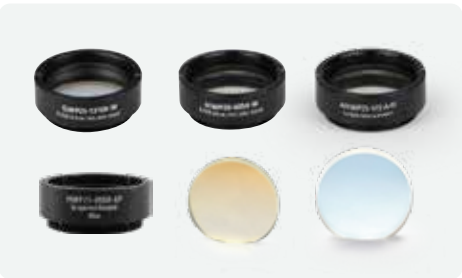
- Vortex Waveplate
- Vortex Waveplate Array
- Airy Beam Converter
- Achromatic Waveplate
- Laser Mode Converter

I Homogenizer



- Microlens Array Homogenizer
- DOE Homogenizer
- Cylindrical Lens Array Linear Homogenizer

I Polymer Waveplates



- Polymer True Zero-Order Half-Wave
- Quarter-Wave Plates
- Polymer Achromatic Half-Wave
- Quarter-Wave Plates
- True Zero-Order Six-Segment Waveplate
- Achromatic Six-Segment Waveplate

I Gratings and Beam Splitters



- Polarization Grating
- Gratings and Beam Splitters
- Dammann Grating
- Checkerboard Grating
- Liquid Crystal Beam Splitting DOE

I Multi-Focus Generators



- Multi-Focus DOE

I Diffractive Lenses



- Flat Lenses
- Flat Cylindrical Lenses
- Flat Cylindrical Lens Arrays
- Multi-Focus Lenses
- Flat Tapered Lenses
- Flat Microlens Arrays

I Active Liquid Crystal



- Liquid Crystal Variable Retarders
- Liquid Crystal Polarization Rotators
- Liquid Crystal Optical Switches

I Custom Diffractive Optical Elements



- Customizable Phase Structures
- Precision
- Working Wavelengths
- Sizes

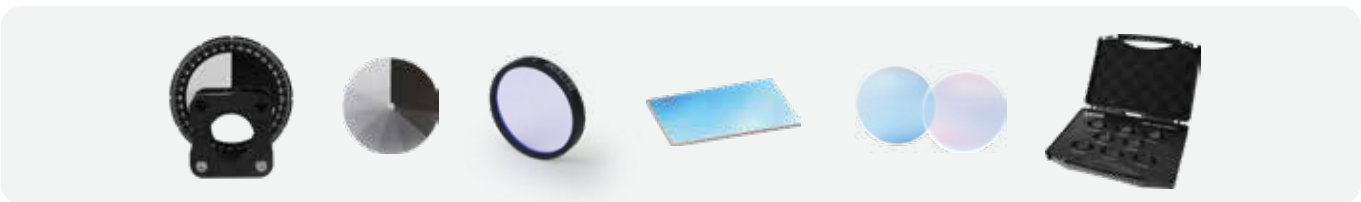
Optical Elements

Polarization Optical Elements



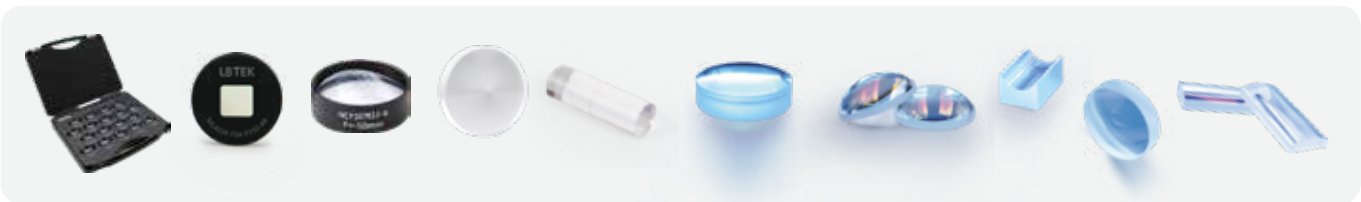
- Polarization Beam Splitter Cubes
- Faraday Rotators Multi-Order Waveplates
- Achromatic Waveplates
- Depolarizers Adjustable Polarization Beam Splitters
- Zero-Order Waveplates Polarizing Prisms
- Polarizers Polarization Plate Beam Splitters
- Variable Circular Polarizers

Filters



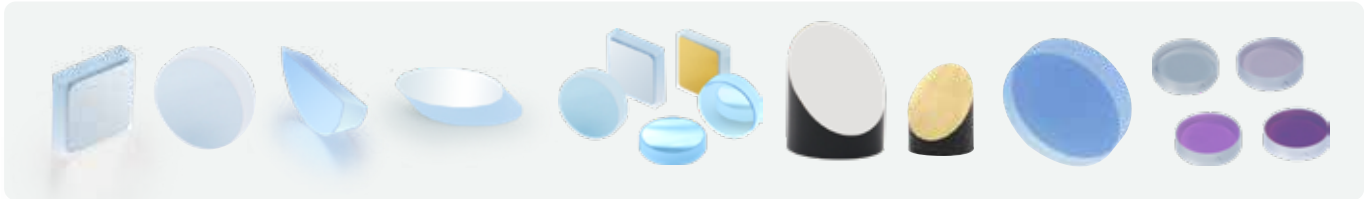
- Neutral Density Filters Notch Filters
- Dichroic Mirrors Laser Line Filters Filter Kits
- Bandpass FiltersDichroic Filters Edge Filters

Lenses



- Plano-Convex Cylindrical Lenses Axicons
- Plano-Concave Lenses
- Double-Concave Lenses
- Microlens Arrays Lens Kits
- Positive Meniscus Lenses Double-Convex Lenses
- Plano-Concave Cylindrical Lenses Aspheric Lenses
- Gradient-Index Lenses Negative Meniscus Lenses
- Plano-Convex Lenses
- Achromatic Doublet Lenses
- Plano-Convex Round Cylindrical Lenses
- Plano-Concave Round Cylindrical Lenses

Mirrors



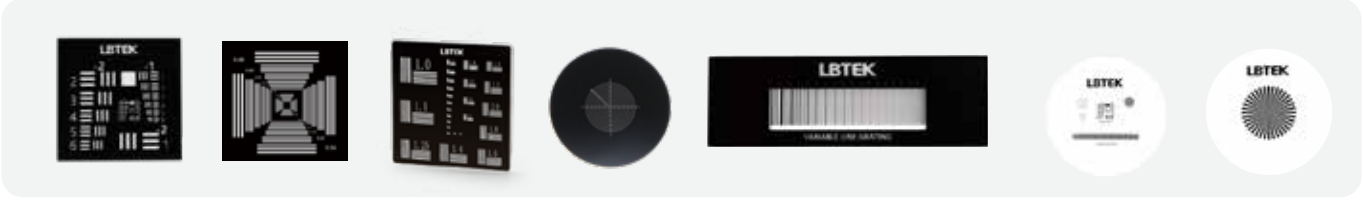
- Right-Angle Prism Mirrors
- Ultrafast Mirrors
- Metallic Mirrors
- Nd:YAG Harmonic Beam Splitters
- Dichroic Mirrors
- Dielectric Mirrors
- Off-Axis Parabolic Mirrors
- Supermirrors
- Laser Line Mirrors
- Hollow Retroreflector Mirrors

Windows



- UVFS Windows
- Germanium Windows
- Calcium Fluoride Windows
- 45° Beam Splitter Compensators
- Sapphire Windows
- N-BK7 Windows
- Silicon Windows
- Zinc Selenide Windows

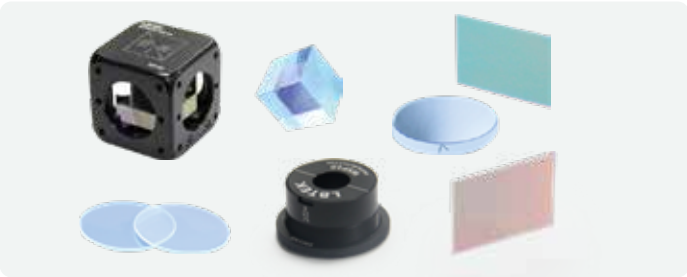
Test Targets



- USAF 1951 Resolution Test Targets
- NBS 1963A Resolution Test Targets
- Combination Test Targets
- Siemens Star Targets
- NBS 1952 Resolution Test Targets
- Mountable Test Targets
- Reticles

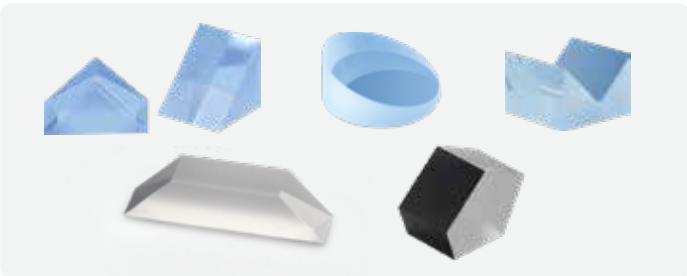
Optical Elements

Beam Splitters



- Non-Polarizing Beam Splitter Cubes
- Non-Polarizing Plate Beam Splitters
- Polarizing Beam Splitter Cubes
- Polarizing Plate Beam Splitters
- Dichroic Mirrors
- Polarizing Prisms

Prisms



- Right-Angle Prisms
- Dove Prisms
- Wedge Prisms
- Penta Prisms
- Right-Angle Prism Mirrors
- Hollow Retroreflector Mirrors

Diffusers



- Frosted Glass Diffusers
- Frosted Glass Alignment Plates
- Engineered Diffusers

Gratings



- Blazed Gratings
- Polarization Gratings

Fiber Optic Components



- Fiber Optic Delay Lines
- Wavelength Division Multiplexers
- Fiber Optic Isolators
- Fiber Optic Couplers
- Fiber Optic Flanges
- Fiber Optic Circulators
- Fiber Optic Cleaning Tools
- Fiber Optic Inspection and Processing
- Fiber Optic Polarizers
- Fiber Optic Collimators
- Fiber Optic Patch Cords
- Faraday Mirrors
- Fiber Optic Attenuators
- Pump and Signal Combiners
- Fiber Optic Polarization Controllers

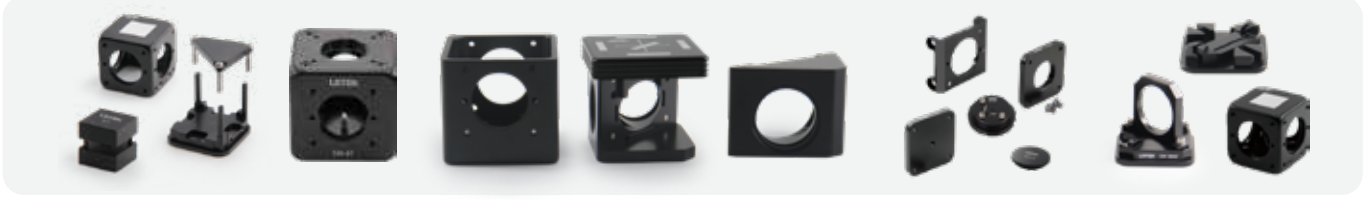
Opto-Mechanical Elements

30 mm Coaxial System Mounting Plates



- Coaxial Mounting Plates
- Sliding Coaxial Plates
- Flexible Coaxial Mounting Plates
- Rotating Coaxial Plates
- Quick-Release Coaxial Mounting Plates

30 mm Coaxial Cubes and Accessories



- Beam Splitter Cube Mounts
- Magnetic Quick-Release Cubes
- Coaxial Cube Accessories
- Flat Optical Element Mounts
- Coaxial Cubes

I 30 mm Coaxial System Optical Element Mounts



- XY Translation Mounts
- 45-Degree Mounting Adjusters
- Sliding Filter Mounts
- Z-Axis Translation Mounts
- Gimbal Adjusters
- Rotation Adjusters
- Clamps
- XYZ Translation Mounts
- Filter Wheels
- Translation Stages and Accessories
- Cylindrical Lens Mounts
- Rotating Quick-Release Mounts
- Mirror Mounts

I 30 mm Coaxial Components and Accessories



- SM1 Lens Tubes
- Adjustable Apertures
- Alignment Plates
- Snap-In Mounts
- Light Blocking Washers
- Adapter Plates
- Coaxial Plate Locators
- Post Adapters
- 06 mm Mounting Posts
- Z-Axis Pushers
- Mounts
- 06 mm Post 90-Degree Clamps
- Vertical Mounting Plates
- Light Blocking Covers
- 06 mm Coaxial Post Adapters
- Orthogonal Turning Plates

I 60 mm Coaxial System Mounting Plates



- Coaxial Mounting Plates

I 60 mm Coaxial Cubes and Accessories



- Coaxial Cubes and Accessories

I 60 mm Coaxial System Optical Element Mounts



- XY Translation Mounts
- Rotating Quick-Release Mounts
- Rotation Adjusters
- 45-Degree Mounting Adjusters
- Mirror Mounts
- XYZ Translation Mounts
- Self-Centering Lens Mounts
- Cylindrical Lens Mounts

I 60 mm Coaxial Components and Accessories



- Z-Axis Pushers
- Light Blocking Covers
- Snap-In Mounts
- 60 mm Mounting Posts
- Alignment Plates
- Coaxial Plate Locators
- 60 mm Coaxial Post Adapters
- Vertical Mounting Plates
- Orthogonal Turning Plates
- Adapter Plates
- SM2 Lens Tubes
- 60 mm Post 90-Degree Clamps
- Light Blocking Washers

I MT High Stability Series Products



- 1-Inch Stainless Steel Optical Adjustment Mounts
- Fixed Optical Element Mounts
- Optical Adjustment Mount Accessories and Tools
- Zero-Gap Clamping Blocks
- 0.5-Inch Stainless Steel Optical Adjustment Mounts

I

Optical Element Mounts



- Mirror Mounts
- Cylindrical Lens Mounts
- Translation Mounts
- Vertical Adjustment Mounts
- Rotation Mounts
- Multi-Axis Optical Adjustment Mounts
- Prism Mounts
- Flip and Positioning Mounts
- MT High Stability Series Products
- Filter Mounts
- Fixed Lens Mounts
- Thin Plate Mounts
- Fixed Support Mounts
- Test Tube Mounts
- Fixed Microscope Slide Clamps
- Supports

I

Adapters



- Optical Element Adapters
- Ø12.7 mm Optical Posts and Accessories
- 45° Mount Adapters
- Ø25 mm Optical Posts and Accessories
- Gimbal Mounts
- Ø38 mm Optical Posts and Accessories
- Screw Sets
- Ø25 mm Post Adapters
- Clamping Blocks
- SM1-Threaded Collimator Mounts
- Flip and Positioning Mounts
- Off-Axis Parabolic Mirror Adapters
- Retaining Rings and Ring Wrenches
- Ø6 mm Coaxial Post Adapters
- Screws
- Adjustable Adapters
- Ø12 mm Optical Posts

I

Bases



- Threaded Adapters
- Retaining Ring Adapters
- Optical Rail Adapters
- Screw Adapters
- Stainless Steel Adapter Cubes
- Laser Beam Expander Adapters
- LED Point Source Adapters
- Coaxial-Post Adapters

Opto-Mechanical Elements

I

System Mechanical Components



- Spatial Filter System Mechanical Components
- Fiber Coupling System Mechanical Components

I

Lens Tubes and Accessories



- Lens Tubes
- Lens Tube Adapters
- Snap-In Tube Mounts
- Lens Tube Sleeves
- Lens Tube Dust Covers
- Wedge Prism Mounting Washers
- Fixed Lens Tube Mounts

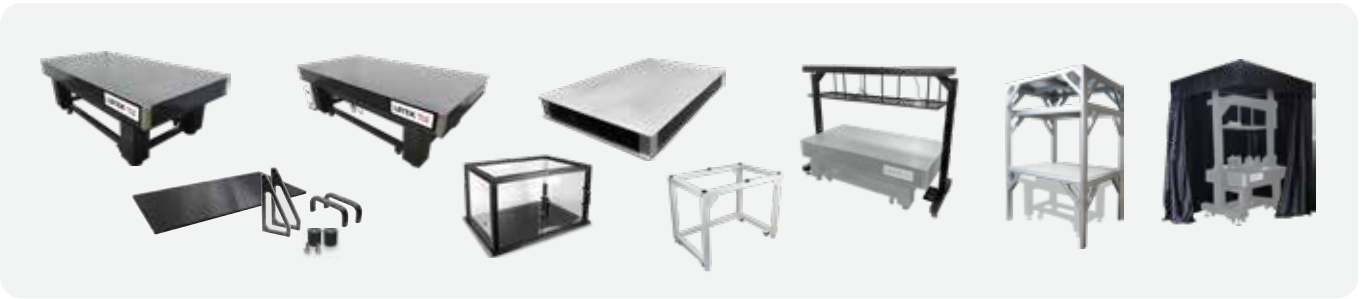
Apertures/Pinholes



- Adjustable Apertures
- Precision Pinholes
- Optical Slits
- Optical Shutters

Optical Platforms and Breadboards

- Optical Platforms and Breadboards
- Breadboard Accessories
- Breadboard Stands
- Optical Enclosures
- Optical Platform Instrument Racks
- Damped Vibration Isolation Optical Platforms
- Air-Floated Vibration Isolation Optical Platforms
- Honeycomb Optical Breadboards
- Standard Optical Breadboards
- Instrument Rack Light Curtains



Standard Optical Post and Rod Components



- Standard Optical Post and Rod Components

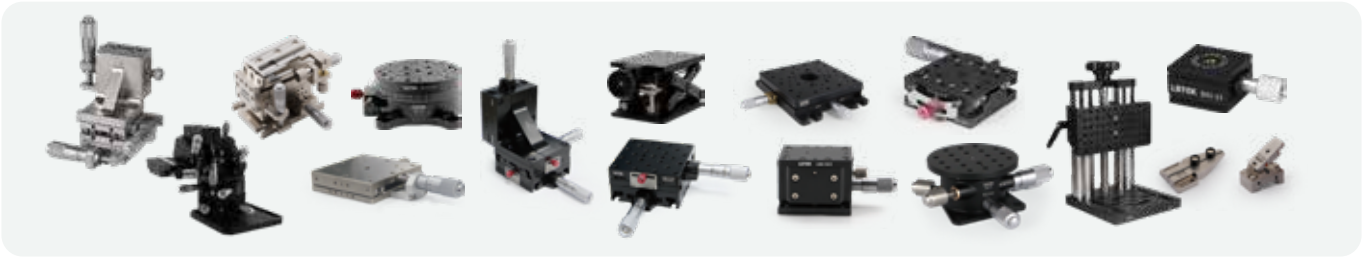
Optical Rails



- Dovetail Rails and Accessories
- Aluminum Profile Rails and Accessories

Motion Control

Manual Translation Stages



- Six-Axis Fiber Optic Coupling Translation Stages
- 25 mm Travel Manual Linear Translation Stages
- 13 mm Stainless Steel Translation Stages
- Manual Rotation Stages
- Miniature Dovetail Translation Stages
- XY-Axis Translation Stages
- Angular Translation Stages
- Five-Axis Stainless Steel Fiber Optic Translation Stages
- 13 mm Travel Compact Manual Linear Translation Stages
- 25 mm Travel Stainless Steel Manual Translation Stages
- 13 mm Travel Manual Linear Translation Stages
- Fiber Optic Clamps and Accessories
- Pitch-Yaw-Rotation Translation Stages
- Z-Axis Linear Translation Stages
- Longitudinal Translation Stages
- Scissor Lift Tables

Manual Translation Stages



- Motorized Rotation Stages
- Motorized Vertical Translation Stages
- Piezoelectric Linear Translation Stages
- Motorized Linear Translation Stages
- Motorized Translation Stage Controllers
- Motorized Angular Translation Stages

Manual Translation Stages



- Precision Adjustment Screws

I High-Precision Motorized Filter Wheels



• High-Precision Motorized Filter Wheels

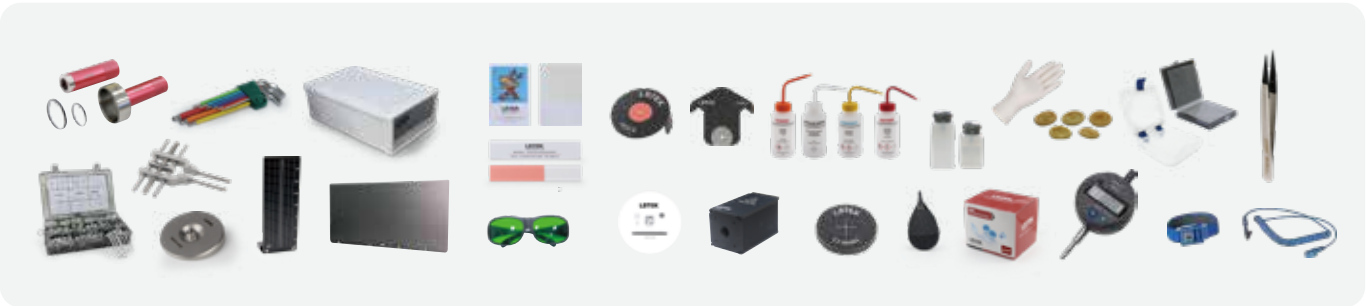
Optical Systems

- Opto-Mechanical Systems
- Shearing Interferometers
- Adjustable Delay Lines
- Scanning Lenses
- Laser Processing Heads
- Imaging Lenses
- Field Lenses
- Telescope Systems
- Laser Beam Expanders
- Optical Isolators
- Fiber Optic Collimators
- Faraday Rotators
- Objective Lenses



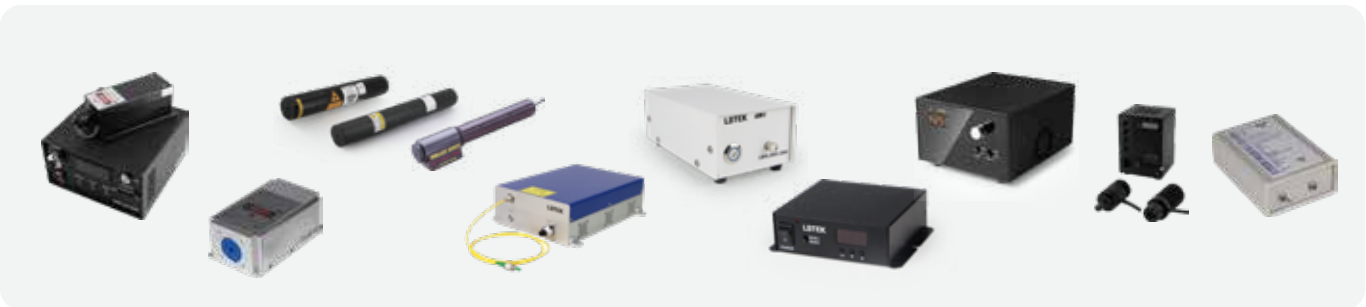
Laboratory Tools

- Ultraviolet and Infrared Detection Cards
- Fiber Optic Inspection and Processing
- Optical Cleaning Tools
- Precision Measurement Tools
- Microscopy Experiment Tools
- Mounting Tools and Accessories
- Electrostatic Protection Tools
- Test Targets
- Laser Protection Tools



Light Sources

- Semiconductor Lasers
- Helium-Neon Lasers
- LED Collimated Light Sources
- Parallel Coaxial Light Sources
- Calibration Light Sources
- Single Longitudinal Mode Lasers
- Fiber Lasers
- Broadband Continuous Light Sources
- LED Point Light Sources



Beam Measurement and Analysis

- Fiber Optic Spectrometers and Accessories
- Beam Quality Analyzers
- Single Photon Detectors
- Polarization Analyzers
- Laser Energy/Power Meters
- Amplified Detectors
- Cameras
- Integrating Spheres
- Shearing Interferometers



Teaching Systems

- Volume Holographic Storage Experiments
- Vortex Beam Interference Systems
- QKD System Simulation Software
- BBO Entanglement Source Teaching Experiment Systems
- Continuous Spatial Frequency Transfer Function Measurement Systems
- Holographic Grating Fabrication and Parameter Measurement Systems
- Vortex Waveplate-Based Optical Tweezers Systems
- Basic Single Beam Optical Tweezers Systems
- Fourier Transform Image Recognition Systems



Instruments

- Pockels Cells
- Laser Drivers
- Single-Axis Scanning Micromirrors
- High-Precision Benchtop Multimeters
- Digital Oscilloscopes
- Ultra-High-Speed Digital Micromirror Spatial Light Modulators
- High-Precision Programmable DC Power Supplies
- Function/Arbitrary Waveform Generators
- Spatial Light Modulators
- TEC Temperature Controllers
- Scanning Oscillating Mirrors
- 20W Fiber Laser Marking Machines
- Time-Correlated Single Photon Counters

