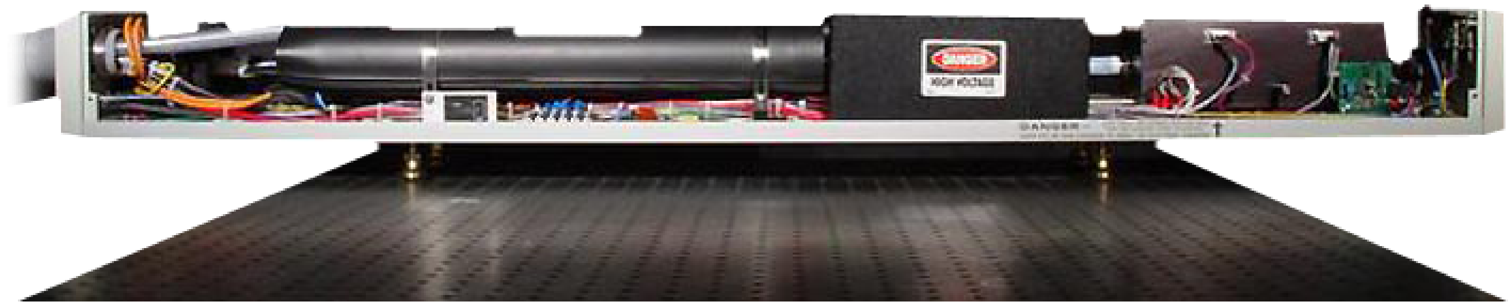
Our line of **products.**

LEXEL Argon Ion Lasers are **Crafted** to the highest quality and performance.



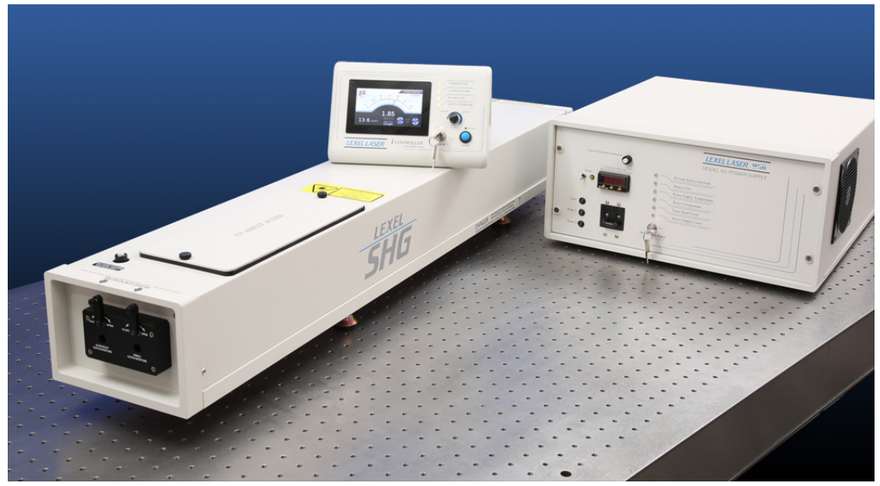
Learn about our **Lexel Laser** products

We take pride in our Craftmanship of Argon lasers.

Our policy of providing standard or custom tailored products to meet our customers specific requirements, elevates the LEXEL™ products, places our customers first, and sets us apart.

LEXEL QUANTUM 8 SHG CW Deep UV Laser & Tunable Visible Argon Ion Laser

We craft the most Versatile – User Friendly – Highest Quality Deep UV Laser in the world.



Our compact, single phase LEXEL™ QUANTUM 8 SHG Argon Ion laser provides true continuous-wave Deep UV wavelengths from 229nm to 264nm with output up to 50mW, plus tunable visible wavelengths from 457nm to 528nm. With our exclusive QuickSwitch technology easily switch from DUV to visible – tunable output over a full range of wavelengths. All user controls and system parameters are accessible via our new USB iController touchscreen remote using the latest 32bit ARM Cortex technology.

ARM® CORTEX®
Processor Technology

Scientific applications	Industrial applications
• Optical Fiber Bragg Grating (FBG) • Nano Technology • Resonance Raman spectroscopy light source • Microscopy light source • Capillary electrophoresis (CE) • Protein science (protein folding, protein secondary structure)	• Interferometric optic testing • Semiconductor photolithography • Semiconductor reticle inspection • Semiconductor wafer testing • Semiconductor surface Raman spectroscopy • Fiber Bragg Grating

Warranty: 2 year / 3000 hours.
Delivery: Standard Systems 3-4 weeks

~~(http://popumake-407)~~ Click here for more information

Visible Ion Laser
iController
Laser Tube and Power Supply
Specifications

LEXEL PRISM Ion Lasers

We craft the most Versatile – User Friendly – Highest Quality Argon Lasers in the world.

Our standard LEXEL™ PRISM Argon laser provides multiline output from 457nm to 528nm with output from 1W to 7W, plus tunable singleline wavelengths from 454nm to 528nm. With optional wavelength output in the mid-UV 351nm and 363nm or infrared at 1090nm. All user controls and system parameters are accessible via our new USB iController touchscreen remote using the latest 32bit ARM Cortex technology.

The proven LEXEL™ PRISM series utilizes a precision, high purity BeO plasma tube with crystalline quartz optical windows for superior transverse mode and lifetime. Stable single line operation is achieved by LEXEL™ PRISM ion lasers with the Model 500 prism wavelength selector. A full Brewster prism is utilized to achieve good separation of even the most closely spaced lines. This provides many benefits:

- Rapid warmup with superior spatial and temporal coherence.
- Exceptional wavelength stability, and output power stability.
- Simple cavity tuning and true fine tuning capability.
- A high-quality TEM00 beam that's suitable even for highly mode-sensitive applications.

Applications

The LEXEL PRISM is designed for long, stable life in a variety of scientific and industrial applications such as Spectroscopy, Holography, Laser Doppler Velocimetry and semiconductor manufacturing needing proven durability and performance.

Scientific applications

- Spectroscopy
- Holography

Industrial applications

- Non-destructive testing
- Semiconductor processing

Holography
- Laser Doppler velocimetry
- Ti:Sapphire/Dye laser pumping
- Cytofluorescence

Semiconductor processing
- Disc mastering
- OEM medical applications

Warranty: 2 year / 2000 hours.
Delivery: Standard Systems 3-4 weeks

Click here for more information

Deep UV Laser

iController

Second Harmonic Generation

Laser Tube and Power Supply

Specifications

LEXEL QUANTUM 9 SHG CW Deep UV Laser & Tunable Visible Argon Laser

We craft the most Versatile – User Friendly – High Quality Deep-UV Laser in the world.

Our standard LEXEL™ QUANTUM 9 SHG Argon Laser provides true continuous-wave deep ultraviolet from 229nm to 264nm with outputs up to 200mW, plus tunable visible wavelengths from 457nm to 528nm. With our exclusive QuickSwitch technology easily switch from Deep-UV to visible, tunable output over a full range of wavelengths. All user controls and system parameters are accessible via our new USB iController touchscreen remote using the latest 32bit ARM Cortex technology.

ARM® CORTEX®

Processor Technology

The QUANTUM 9 SHG Argon Laser is based on the proven LEXEL™ PRISM 9 series that utilizes a precision, high purity BeO plasma tube with crystalline quartz optical windows for superior transverse mode and lifetime. The Quantum-SHG is an intracavity frequency-doubled system, equipped with a nonlinear, high damage threshold AR coated BBO crystal, to produce Second Harmonic Generation (SHG) Deep-UV. It uses the simplest, most stable three-mirror folded cavity design for frequency doubling. This provides many benefits:

- Rapid warm up with superior spatial and temporal coherence.
- Exceptional wavelength stability, and output power stability.
- Simple cavity tuning and true hands-free laser operation in the ultraviolet.
- A high-quality TEM00 beam that's suitable even for highly mode-sensitive applications.

• Quick, easy change between Deep UV and visible laser output.
• Easy crystal exchange for a variety of deep UV wavelengths.

Deep UV Applications

The QUANTUM 9 SHG Argon Laser is designed for long, stable life in a variety of scientific and industrial applications such as UV resonance Raman spectroscopy, fiber-grating and semiconductor manufacturing needing deep-UV laser coherent light.

Scientific applications		Industrial applications
• Optical Fiber Bragg Grating (FBG) • Nano Technology • Resonance Raman spectroscopy light source • Microscopy light source • Capillary electrophoresis (CE) • Protein science (protein folding, protein secondary structure)		• Interferometric optic testing • Semiconductor photolithography • Semiconductor reticle inspection • Semiconductor wafer testing • Semiconductor surface Raman spectroscopy • Fiber Bragg Grating

Warranty: 2 year / 3000 hours.
Delivery: Standard Systems 3-4 weeks

Click here for more information