

# PHOTONICS spectra



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Recap**

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## Laser World of Photonics 2025 Featured Videos



### Femtum Showcases Photonics Wafer Laser Trimming Solution

Femtum is a Canadian company offering advanced laser solutions for the AI revolution and for AI development. Its trimming solution, on display at Laser World of Photonics, is shipped in a rack mount and can be connected directly to the laser. Current methods do not simultaneously achieve strong phase shift, low loss and fast time-to-market. With Femtum, you can improve your manufacturing process for better production efficiency. This system enables post-fabrication refractive index correction at the wafer-level test.

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### Vescent Demonstrates the Durability of the RUBRIComb and RUBRIColor

Helping their customers build and enable quantum 2.0 systems, Vescent is proud to display the RUBRIComb and RUBRIColor at Laser World of Photonics. From frequency control for lasers that enable quantum computers, to next generation timing solutions like optical clocks and optical time transfer, the applications for these systems are exciting. At the heart of every RUBRIComb is the RUBRICore, 20 G shock tested and designed to operate and survive in harsh environments.

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### Novanta Displays Several New Innovations at Laser World of Photonics

Novanta had several new innovations to show at Laser World of Photonics. Its new GEMultra DPSS Laser can overcome DPSS 532 nm laser specification breakdown and sub-par performance with stable power output, despite changes in operating or ambient temperatures. Its venteon laser technology is synonymous with the science of few cycle, broadband laser pulses. And the new i501 CO<sub>2</sub> Laser delivers over 550 W of average power and unmatched dynamic range.

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### Optikos: More than Metrology

The DNA of Optikos is in optical metrology, but at Laser World of Photonics, they showed that they are so much more. The provider of optical solutions is growing, adding more engineers and more solutions for its clients. With decades of experience, Optikos can tap into its own knowledge to solve the most complex problems.

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### Chroma Tackles SWIR Technology with its Latest Optical Filters

Chroma Technology's optical filter sets offer precise spectral performance and superior signal-to-noise ratios, ideal for advanced imaging and fluorescence microscopy applications. Short-Wave Infrared (SWIR) technology is critical for advanced imaging and sensing applications. Chroma Technology's sputter-coated optical filters are designed to meet the demanding needs of SWIR-based systems, providing high transmission, precise wavelength control, and durability.

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### Vortran Laser Technology Demonstrates Unparalleled Power Stability

The fully integrated VersaLase™ system is a plug-and-play, and self-contained multiple wavelength output laser module. This system has up to 4 and 8 wavelength options. The Stradus laser module patented sealed optical cavity and the innovative electronics, give the VersaLase unparalleled power stability, beam pointing stability, and low noise over time and temperature. Learn more about it from Vortran's display at Laser World of Photonics!

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