

# PHOTONICS spectra

**AUTOMATE**

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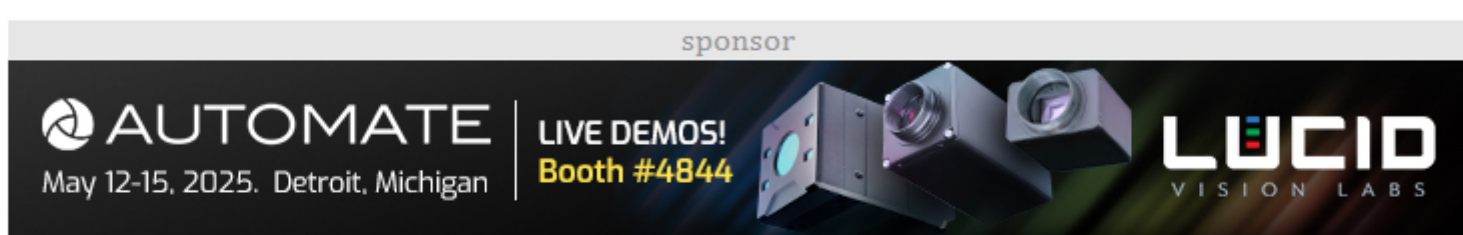


## Automate 2025 Returns to Detroit to Highlight Industry

The Automate trade show that is organized by the Association for Advancing Automation (A3) returns to its longtime host city, Detroit, from May 12 to 15. Automate is the largest robotics and automation trade show in North America, featuring the latest advancements in machine vision, AI, motion control, robotics, and other automation technologies. The

Automate exhibition will be free to attend for those who are interested in or work with automation, featuring more than 800 exhibitors across more than 320,000 sq ft of floor space.

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## Featured Exhibitors

### HCN Lenses

**Opto Engineering S.p.A.**

Opto Engineering welcomes you back to Automate at Booth #5820! Discover our advanced machine vision solutions, including nano-hypercentric lenses for 360° inspection of holes from 0.75 to 10 mm in diameter. With a unique optical design and cylindrical FoV, they deliver sharp, distortion-free images in a single shot — ideal for metrology and quality control. Visit us to explore how our technologies can meet your inspection needs and solve your unique challenges.



**BOOTH 5820**

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### SiLWIR Protective Windows

**Midwest Optical Systems Inc. (MidOpt)**

Germanium is commonly used in LWIR optics for its high refractive index and low dispersion, but its cost and limited supply constrain scalability. Chalcogenide glass is more affordable but lacks durability. While not suitable for every optical element, pure-grade silicon with the proper coatings performs exceptionally well as a Protective Window. MidOpt® SiLWIR™ Protective Windows safeguard thermal imaging systems without compromising optical performance or system reliability.



**BOOTH 3439**

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### 3D, 10GigE & Event-Based Cameras

**LUCID Vision Labs Inc.**

LUCID Vision Labs will showcase its latest industrial cameras at Automate 2025 in Detroit, May 12-15. Highlights include the Helios2 3D ToF cameras for logistics automation, the high-speed 10GigE Triton10 with RDMA, and the Triton2 EVS event-based camera for motion analysis. Visit booth #4844 to explore our advanced imaging solutions for robotics, inspection, and high-speed applications.



**BOOTH 4844**

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### Cameras With Event-based Sensor

**IDS Imaging Development Systems GmbH**

uEye EVS ultra-compact USB3 cameras leverage the processing speed, dynamic range and data efficiency of the IMX636 sensor developed by Prophesee/Sony. Unlike conventional cameras, which generate complete megapixel image data, the uEye EVS only recognizes contrast changes at each individual pixel. These changes are transferred as independent events in real-time, while motionless data is ignored. Ideal for Vision applications at very high speed, e.g. monitoring of vibrations or fast objects.



**BOOTH 6000**

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### SpecimONE

**Specim, Spectral Imaging Ltd.**

SpecimONE is a spectral imaging platform for easy integration of hyperspectral technology into industrial sorting and inspection. The platform includes Specim FX industrial hyperspectral camera, SpecimINSIGHT software for building classification models, and SpecimCUBE for running models in real-time inline.



**BOOTH 539**

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### HALCON 25.05 for Next-Level Vision

**MVTec Software GmbH**

HALCON 25.05 introduces Deep 3D Matching for robust bin picking and flexible model training. Enhanced OCR accuracy, improved QR code reading on curved surfaces, and smarter camera integration boost your machine vision applications. Meet us at Automate Detroit and discover new deep learning tools and development features for faster, more flexible solutions.



**BOOTH 5207**

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