

Featured Article

Weekly newsletter from the editors of Photonics Spectra, featuring one must-read article every issue.

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Europe Must Play to Its Strengths



Photonics21 President Lutz Aschke outlines where Europe leads in photonics, where it lags behind, and why political momentum matters more than ever.

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POET Teralight 1.6T
Optical Engines

POET Technologies POET Teralight™ is the

winner of the 2025 Best AI

Hardware Innovation Award from AI
Breakthrough. The product, designed to drive the
next-generation of AI connectivity devices, features
a highly integrated chip-scale design that is
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lonBeam Processing of PIC Waveguides

scia Systems GmbH scia Systems' ultra-pre

scia Systems' ultra-precise ion beam processing is

driving manufacturers' success in producing PIC devices. Ion beam etching is ideally suited for the precise and uniform production of 3D waveguides while maintaining the integrity of the underlying material. Adjusting the ion incidence angle allows the creation of smooth vertical sidewalls. Material modifications by ion beam trimming improve thickness deviations, uniformity, and surface quality.

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