

New Silicon Photonics Technology OEM



Overview

STMicroelectronics (NYSE: STM), a global semiconductor leader serving customers across the spectrum of electronics applications, is now entering high-volume production for its state-of-the-art silicon photonics-based PIC100 platform used by hyperscalers for optical interconnect for. STMicroelectronics (NYSE: STM), a global semiconductor leader serving customers across the spectrum of electronics applications, is now entering high-volume production for its state-of-the-art silicon photonics-based PIC100 platform used by hyperscalers for optical interconnect for. ECOC 2025, Copenhagen – September 30, 2025 – ShunYun Technology Ltd (SYT), a world-class manufacturer of optical transceivers, and NewPhotonics, a leading designer of highly integrated photonic integrated circuit (PIC) chips for data center optical interconnect, today announced a strategic OSAT. STMicroelectronics (NYSE: STM), a global semiconductor leader serving customers across the spectrum of electronics applications, is now entering high-volume production for its state-of-the-art silicon photonics-based PIC100 platform used by hyperscalers for optical interconnect for data centers and. One standout material is lithium niobate (LiNbO_3), renowned for its high electro-optic coefficient, making it an excellent fit for high-speed optical communication systems. Ethernet. Circuit scaling is starting to hit a wall as the laws of physics clash with exponential increases in the volume of data, forcing chipmakers to take a much closer look at silicon photonics as a way of moving data from where it is collected to where it is processed and stored.



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ShunYun Technology and NewPhotonics Announce Volume PIC ...

As a global provider of volume transceiver manufacturing today, the SYT supply chain, excellent quality standards, and customer and ecosystem technology provide the strong, single-point ...

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Optics & Photonics News

In April 2024, the world's largest semiconductor foundry, Taiwan Semiconductor Manufacturing Company Limited (TSMC), announced that it was to start producing silicon photonic chips.

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TSMC has made significant progress in silicon photonics technology: 1 ...

Recently, TSMC has made a major breakthrough in its silicon photonics strategy, successfully combining co-packaged optical components (CPO) technology with advanced ...

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STMicroelectronics enters high-volume production of its industry ...

“Following the announcement of its new silicon photonics technology in February 2025, ST is now entering high-volume production for leading hyperscalers.

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ShunYun Technology & NewPhotonics enter volume PIC ...

ShunYun Technology Ltd (SYT), a manufacturer of optical transceivers, and NewPhotonics, a designer of photonic integrated circuit (PIC) chips for data centre optical ...

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