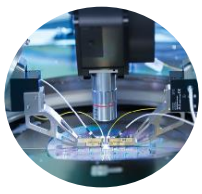
2020: Year in Review

CompoundTek

In an unprecedented year, Silicon Photonics have been thrust into the limelight as data demand for servers, connectivity, and cloud usage grew. Paving the way for a "new normal" in 2021, CompoundTek has strengthened our footprint and alliances as we remain committed to advancing niche technologies for a new way of living and working.



Launch of Southeast Asia's First State-of-the-Art, Multi-Million-Dollar Agnostic SiPh Testing Services Hub in Singapore

offering production and engineering agnostic test services to commercial industry players. The on-wafer level automated SiPh Optical/Electrical/RF testing facility is manned by international experts in automatic SiPh testing on both 8" or 12" wafers. Watch video highlights here

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Keysight, NOEIC and CompoundTek Establish Open Standards for layout, design and automation of PICs

establishing a globally-recognised standardised approach to automated testing, generic assembly and packaging for scaling to volume production. This will drive technology advancements in telecommunication network solutions and end-applications e.g 5G, AI, Big-data analytics, smart sensor, datacom data-centre.

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CompoundTek PDK and latest Ansys Lumerical Layer Builder automates and streamlines Custom Design Flows

to augment existing CompoundTek PDKs with custom components that adhere to foundry specifications. Customers benefit from more efficient and reliable simulation flow powered by a "Layer Builder" which generates a 3D CAD model from the design layout, containing critical information e.g the vertical position, thickness, material and sidewall angle of each process layer.

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CompoundTek Achieves Breakthrough for Industry Leading Silicon Waveguide Loss

for improved optical propagation loss of > 50% better for both "O" and "C" band, as compared to CompoundTek's Gen-1 process. Designed as part of the company's SiPh technology roadmap, the 8-inch silicon waveguide loss is now better than or equal to existing 12" Si photonics commercial foundry.

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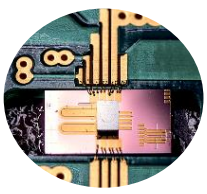

Technical Paper: CompoundTek and Nanyang Technical University's Full Automation for Rapid Modulator Characterization and Accurate Analysis Using SciPy

an open-source scientific computing library. Addressing modulator test complications, the collaboration has produced several positive indicators including efficiencies from a fully automated modulator test and SiPh wafer test capabilities.

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Partnership with STAr Technologies Inc.

to develop standards and solutions for cost-effective high-volume SiPh Wafer Test. Addressing the growing need for consistency and reliability across all applications of SiPh technology, the SiPh Wafer Test aims to facilitate wider industry adoption and innovations from design through to test.

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Discover how our capabilities advances your Silicon Photonics innovations

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