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HiLight Semiconductor makes significant investment in Lab test equipment to support customer design-in and future CMOS product development

HiLight Semiconductor, a world leader in CMOS integrated circuit chips for optical communications, today announced a significant investment in electro-optical Lab test equipment - predominantly solutions from [Keysight Technologies](#) – including multiple new high-speed pattern generators (PG), bit error rate testers (BERT) and digital communications analysers (DCA) with optical and electrical modules.

HiLight will use the new Lab equipment for current and future products designed for the fast growing and highly competitive optical communications market. The Keysight equipment comprises multiple [M8040A 64 Gbaud High-performance BERTs](#) with M8045A PGs, [N1000A DCA-X Wide-Bandwidth Oscilloscope](#) Mainframes with plug-ins and DCA-M Sampling Oscilloscopes. The systems are NRZ and PAM4 32/64GBaud capable and will be utilized to develop new 25 Gbps NRZ and 50 to 100 Gbps PAM4 products.



Iain Lochhead, VP Operations at HiLight, commented “By procuring this additional high-performance lab equipment HiLight can continue to scale and build out our factory and field customer applications support whilst also enabling the development and evaluation of our next generation products now including PAM4 rate capability.”

“This recent investment in leading edge test equipment for NRZ and PAM4 applications will enable HiLight to continue developing world class CMOS PMD ICs for current and next generation optical communication networks up to and beyond 100 Gbps. We have an exciting roadmap of CMOS products in development and now we have the lab equipment capability to bring these products to market and support them in the field.” stated Christian Rookes, VP Marketing at HiLight.

About HiLight Semiconductor Limited:

HiLight Semiconductor Ltd. is a Venture Capital backed, Fabless chip company, founded in 2012 by veterans of several previous start-ups. Specialising in deep sub-micron CMOS, the company designs and supplies the world’s highest performance PMD and PHY ICs for high speed fiber-optics based communications and networking/Datacentre applications.

The company has already shipped over 90 Million ICs to date.

HiLight is headquartered in Southampton, UK, with design offices in Bristol UK and sales and local technical support offices in China (Beijing, Chengdu, Shanghai, Shenzhen, Wuhan), Taipei and Japan.