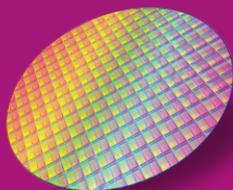


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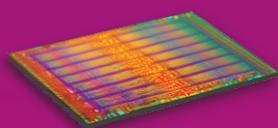
FUTURE

of photonics test and measurement.

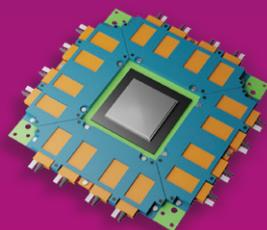
We work with leading photonics developers and manufacturers, building test solutions that deliver a **competitive edge**.



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INTEGRATED
CIRCUITS



CO-PACKAGED
OPTICS



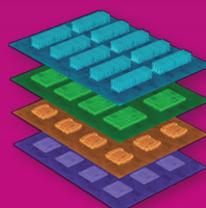
PLUGGABLE
OPTICS



ARTIFICIAL
INTELLIGENCE



HYPER-SCALE
DATA CENTERS



DISAGGREGATED
NETWORKS



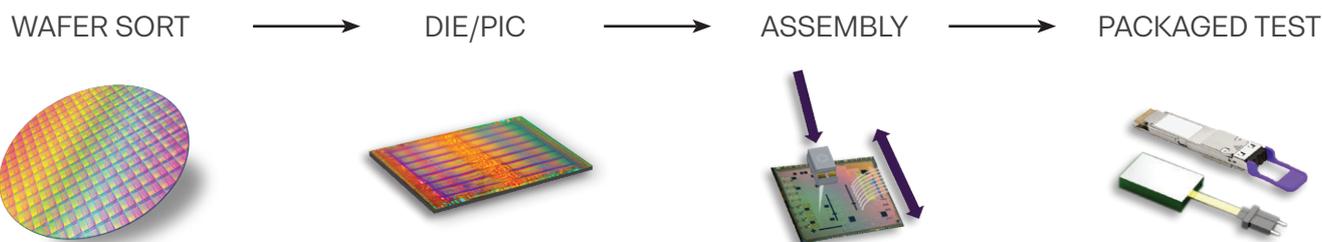
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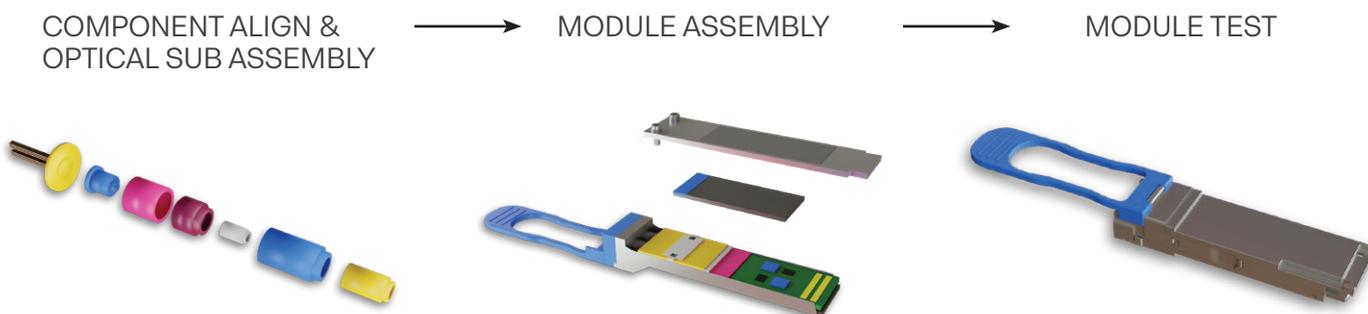
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Quantifi Photonics supports the full product life cycle and key manufacturing stages of photonic integrated circuits (PIC), Co-Packaged Optics (CPO) and pluggable optics. We also offer an extensive portfolio of general-purpose photonic test solutions that can be configured to test a wide variety of photonic devices.

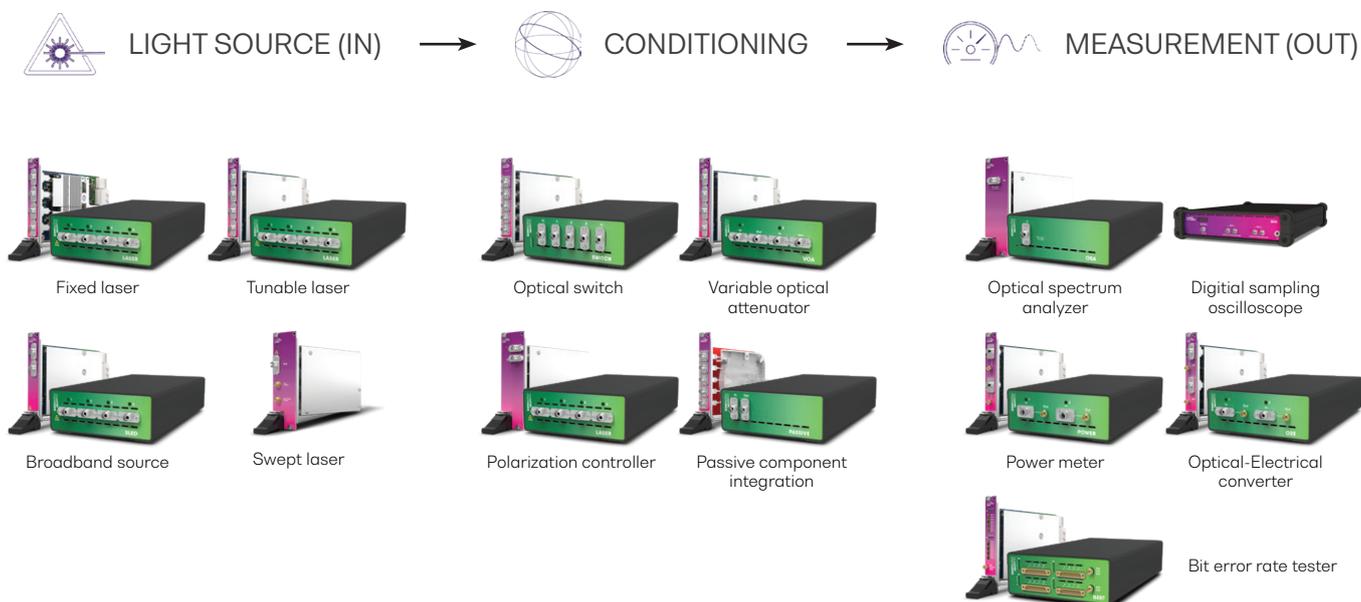
PIC/CPO Test



Transceiver Test



General Purpose Photonics Test



Featured Products

QCA Series | VISEYE™

High-Speed Communication Analyzer

The QCA-1000 Series is a new line of digital sampling oscilloscopes launching in 2024. It offers cost-effective performance and enables manufacturers of next-gen interconnects to overcome the critical testing roadblock of scaling production to high volumes. With ultra-low jitter performance and unparalleled instrument density, modern **VISEYE™** analysis software and an optional QCR clock recovery module for optimum measurement accuracy.

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VISIQ™ Coherent Signal Analysis Software

VISIQ™ is designed to make coherent signal analysis and DSP optimization as simple as possible, and it works with high-performance real-time oscilloscopes from all leading manufacturers. It features an intuitive user-interface and supports O-band, C-band and L-Band coherent modulation with our IQRX coherent receivers.

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POL-1200 Series

Polarization Controller

Fast and responsive (sub-second) automated polarization control for polarization dependent testing procedures. Offers three operating modes: Scan and Optimize, Manual, and Depolarize, with low insertion loss, high optical power input handling and comprehensive triggering and synchronization capabilities.

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Laser-2000 Series

Swept Tunable Laser

Compact and cost-effective laboratory-grade swept tunable laser that can be operated as a step-tuned, swept-wavelength, or fixed-wavelength CW laser source. Offers 0.01 dB power stability, 400 nm/s high-speed scan rate, and built-in synchronization trigger inputs and outputs to use with other measurement instruments.

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BERT-1102

Bit-Rate-Error-Tester

The BERT-1102 is an 8-channel PPG and Error Detector for the design, characterization and manufacturing test of optical transceivers and optoelectrical components with symbol rates up to 29 GBaud/s in both NRZ and PAM4 formats.

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QCA SERIES

HIGH-SPEED COMMUNICATION ANALYZER

The QCA Series high-speed communication analyzer is a new oscilloscope platform that offers compelling performance while enabling high density, parallel testing for high-volume manufacturing of electrical interconnects.

- Supports up to 56 GBaud NRZ and PAM4 with 32 and 50 GHz of bandwidth.
- Easy-to-use and powerful VISEYE™ Jitter and Eye Diagram analysis software.
- Pair with QCR Series clock recovery modules for optimum measurement accuracy.
- Suitable for 100-800G and 1.6T Ethernet, Co-Packaged Optics and In-package Optical I/O, as well as computer interfaces such as PCI Express & USB.

For pricing & demos email sales@quantifiphotonics.com

JITTER MATTERS!

See how the QCA Series is taming the jitter beast at www.quantifiphotonics.com/jitter or scan QR code:



Product Platforms

PXIe



The standardized rack mountable instrument form factor, which enables high density test benches with a flexible variety of test instruments.

MATRIQ™



Small bench top instrument for flexible R&D, to easily mix and match instruments on the test bench.

EPIQ™

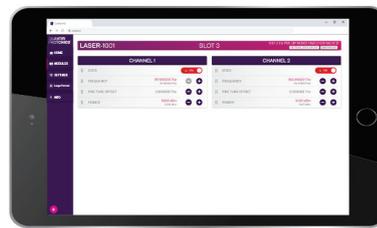
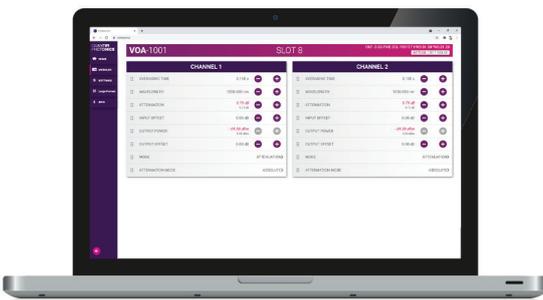


The ultimate solution with maximum instrument and channel density, as well as the ability to act as a custom platform for the final test configuration in manufacturing with the highest density and cost effectiveness.

Intuitive Software Interface



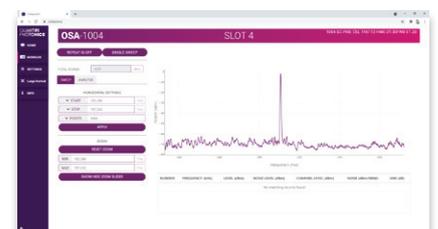
CohesionUI™ is an innovative web-based user interface for a consistent, easy-to-use experience across our products. It includes multi-device support, which means you can control our instruments from any device with a supported web browser, including PC, tablet or smart phone. Users can also use common application environments like LabVIEW and MATLAB, or their preferred programming language such as BASIC, C, C++, or Python.



288 Channel Optical Power Meter



Bit Error Rate Tester



Optical Spectrum Analyzer

General Purpose Photonic Test Solutions



Tunable Laser Source

Versatile telecom laser sources with full tunability across C or L bands. Narrow 100 kHz line width, up to 16.5 dBm of power, optional whisper mode to disable frequency dither.



Fixed Wavelength Laser Source

Highly customizable DFB or FP laser sources available in a wide range of wavelengths and powers. Models support SMF, MMF and PMF.



Swept, Tunable Continuous Wave Laser

Swept, tunable continuous wave (CW) laser source with 0.01 dB power stability & 400 nm/s high-speed scan rate for R&D & production testing. C/L, O & E-bands.



Super-luminescent Diode Broadband Light Source

Super-luminescent LED light source with high output power, large bandwidth and low spectral ripple and various wavelengths.



Optical-to-Electrical Converter (O2E)

High bandwidth, broadband O-to-E converter. Available in a range of configurations; choose from 1 or 2 channels, AC/DC coupling & various conversion gain/operating wavelengths.



Variable Optical Attenuator (VOA)

Fast attenuation speed with low insertion loss & built-in power monitoring. Operates in fixed attenuation or constant output power modes. Models support SMF, MMF & PMF connector types.



Polarization Controller & Scrambler

High-speed automated polarization control with broad wavelength coverage from 1260nm to 1650nm, low insertion loss and back reflection.



Optical Power Meter

Fast terminating or in-line monitoring of optical signal power from -60 to +10 dBm across 750 - 1700 nm wavelengths. Model with logarithmic analog output for applications such as silicon photonics fiber alignment.



Bit Error Rate Tester (BERT)

2, 4 or 8-channel Pulse Pattern Generator and Error Detector at rates up to 29 Gbps for the design, characterization and production of optical transceivers and opto-electrical components.



Optical Spectrum Analyzer (OSA)

Low cost, spectral measurement in a compact module with built-in analysis for: SMSR, OSNR & spectral width. Targeted wavelengths for specific applications in O band, C band & L band.



Optical Switch

Proven reliability and fast switching time. Wide variety of switch configurations: 1x4, 1x16, 16x16 and more. Models support SMF, MMF and PMF.



Passive Component Integration

Integrate passive optical components of your choice such as WDM couplers, splitters, band-pass filters, PM beam-splitters & circulators. Models support SMF, MMF & PMF.

Coherent Optical Communications

IQTX

Coherent Optical Modulation Transmitter

Generate and control phase-modulated optical signals at 11 GHz, 20 GHz, 23 GHz or 40 GHz of bandwidth. Supports M-QAM, M-PSK and custom modulation formats & Baud rates beyond 64 GBaud.



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IQRX

Coherent Optical Receiver

Gold standard coherent receiver for the measurement of coherent modulation formats such as QPSK, 64QAM and OFDM. Available in O-Band and C/L-Band models.



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VISIQ™ is designed to make coherent signal analysis and DSP optimization as simple as possible, and it works with high-performance real-time oscilloscopes from all leading manufacturers. It features an intuitive user-interface and supports O-band, C-band and L-Band coherent modulation with our IQRX coherent receivers.



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OMA

Optical Modulation Analyzer

High-performance reference coherent signal analyzer with powerful software for full characterization of 600G, 800G signals & more.



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IQABC

Automatic Bias Controller

Modulation format independent Automatic Bias Controller for IQ-modulators. Accurately and reliably control and optimize modulator bias points regardless of the modulation format or pattern.



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Co-Rx

Automated Coherent Receiver Tester

Automated sequential measurement of coherent receiver hardware performance to save test time and generate accurate and reliable results.



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Specialized Test Solutions

POWER-1410

Optical Power Meter

Fast monitoring of signal power from -60 to +10 dBm and broad wavelength range of 1250 to 1650 nm. Unrivalled channel density with up to 288 parallel channels in a single 1U rack-mountable instrument.

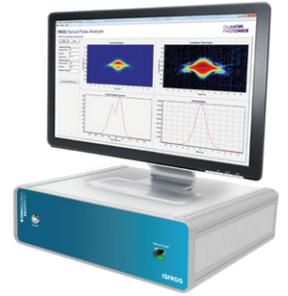


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IQFROG

Optical Pulse Analysis

Measure pulse intensity and phase in both spectral and temporal domains, yielding a complete pulse characterization. With a long delay arm and high resolution spectrometer, IQFROG measures chirped pulses up to 50 ps wide, or up to 10 ps wide if the pulse is transform limited.



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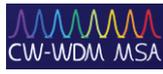
Photonic Doppler Velocimetry (PDV)

Photonic Doppler Velocimetry (PDV) is an established technique used to measure high-velocity events up to tens of km/s. The Doppler module combines the key optical components for PDV measurements in a compact instrument to enable streamlined high channel count PDV test set-ups.



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Our sales engineers love to talk about new test and measurement challenges, and we have the expertise and agility to build customized solutions to match your exact requirements.

Contact us today at, sales@quantifiphotonics.com

New Zealand

12-14 Parkway Drive
Rosedale, Auckland, 0632
New Zealand

+64 (0)9-478-4849

USA

13630 Immanuel Road
Suite E, Austin, TX 78660
United States of America

+1-800-803-8872

Europe

Innovationszentrum
Westspitze, Eisenbahnstraße 1
72072, Tübingen, Germany