

Brochure

VIAMI

Testing, Inspection, and Cleaning Solutions for Optical Connector Manufacturers

As the industry leader in fiber test solutions, VIAMI is dedicated to providing component and connector manufacturers with a comprehensive portfolio of testing, cleaning and inspecting solutions that ensure quality and efficiency throughout the production floor.

Passive Connector IL and RL Test Modules (mORL)



The award-winning [MAP-Series platform](#) provides manufacturers with a scalable solution that allows manufacturers to test to their customer's specific needs. The [PCT Test Solution](#) consists of a powerful family of modules, software and peripherals for testing IL, RL, physical length, and polarity throughout the production floor. Built on 30 years of integrated VIAMI optical design dating back to the RX and RM meters from JDSU, the PCT system leverages the depth of the MAP-Series to deliver performance and scalability that make it the best selling optical manufacturing test solution in the industry.

- Fast and accurate; World class metrology with innovate work-flow
- Small and modular which allows a pay as you go approach
- Scripting with enterprise-wide data management options
- Simple, reliable remote automation for ease of integration
- Supported globally with local calibration and service

Single Fiber IL and RL System (mOLM)



[PCT-rm](#) is a [MAP-220](#) based Insertion Loss (IL) and Return Loss (RL) solution targeting single fiber connector applications in the lab and in manufacturing.

Building on the heritage of the classic JDSU RM and RX meters, the PCT-rm leverages the industry standard optical continuous wave reflection (OCWR) test method. A patented real-time measurement engine enables measurement performance and speed that is independent of the number of measured wavelengths (i.e. real time for all wavelengths).

- Production throughput is maximized independent of measurement need.
- Real-time high repeatability system for IL and RL
- Small footprint benchtop mainframe designed with Ethernet and GPIB support.
- Modular design supporting Multimode (EF compliant), Single-mode, and tunable sources.
- Ideal for Single fiber connector manufacturing and Qualification testing of connectors and simple broad band passive components

Inspection



[FV Benchtop microscopes](#) equip optical connectivity manufacturers with the ability to ensure clean fiber connector end faces throughout the entire manufacturing process. Available in two magnification configurations, FV microscopes give operators the ability to leverage the benefits of each to control end face contamination throughout the entire manufacturing process with the right tool at each stage.

CleanBlastPRO



[CleanBlastPRO™](#) is the next generation in connector end-face cleaning. This automated system gives optical connectivity manufacturers control of the cleaning process throughout their entire production facilities with fast and repeatable results at the press of a button.

Adaptors and Tips



The VIAMI Optical Manufacturing Test Platform leverages dedicated tips and adaptors for the wide variety of connector types that manufacturers encounter. This comprehensive selection of adaptors and tips ensures that manufacturers can [Test](#), [Inspect](#), and [Clean](#) the connectors they work with every day.



MAP Series
Adaptors



Inspection Tips
and Adaptors



Cleaning Tips
and Adaptors

Optical Component Environmental Test System



The [Optical Component Environmental Test System \(OCETS\)](#) is an automated test system for long-term reliability testing of passive optical components under environmental stress conditions, such as temperature and humidity. The OCETS hardware and software can run complex measurement sequences and control associated environmental chambers. The system is an optical test and measurement platform optimized for cost-effective development and manufacturing of optical transmission network elements



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