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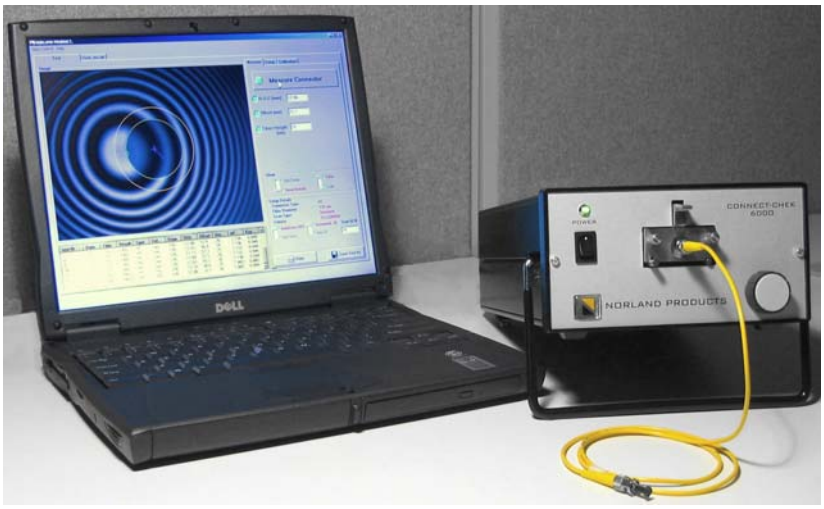
NORLAND CC6000

Norland Products has taken the knowledge gained from over 20 years of interferometric measuring experience to produce **the first low cost, automated, non-contact interferometer** for fiber optics. The Norland Connect-Chek® CC6000 automatically and precisely measures radius of curvature, apex offset of polish, and fiber undercut or protrusion on any PC or APC single fiber connector. The breakthrough technology used in the CC6000 is unlike any other system on the market today and now allows interferometric connector analysis to be affordable to all users.

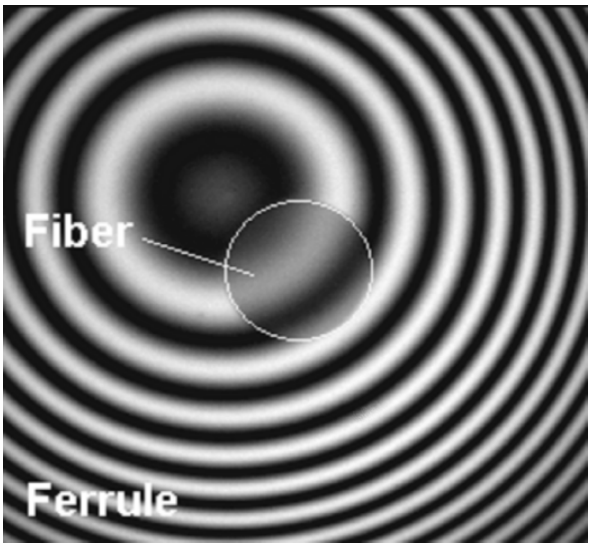
PLUG & PLAY USB INTERFEROMETER

This compact interferometer attaches to a PC or laptop through a standard USB port and uses the exclusive CC6000 software to control the interferometer and measure the connectors. No custom boards, or complicated configurations are required. Simply install the software, plug in the CC6000 and run. Our user-friendly software allows anyone with minimal experience to accurately measure the 3D end face geometry of a fiber optic connector. The CC6000 is designed for both the factory or the field to provide the crucial quality information needed to assure the long-term performance of your fiber optic connectors.



NO MECHANICAL ADJUSTMENTS

The Norland Connect-Chek® CC6000 is the next generation of interferometric technology for fiber optic testing. This new system uses proprietary software that enables it to evaluate the key parameters without the need for costly phase-shifting devices. The CC6000 uses our unique Tilted Phase Analysis (TPA) in which the connector is held at a slight tilted angle to produce circular fringes across the fiber. This provides all the information needed to measure the connector. After a simple calibration to measure the tilt, the advanced algorithms enable our CC6000 to calculate the spherical radius of curvature, spherical fiber height, and apex offset for the connector. An added advantage of TPA is that any small angle is suitable, so *no mechanical adjustments are ever required.*

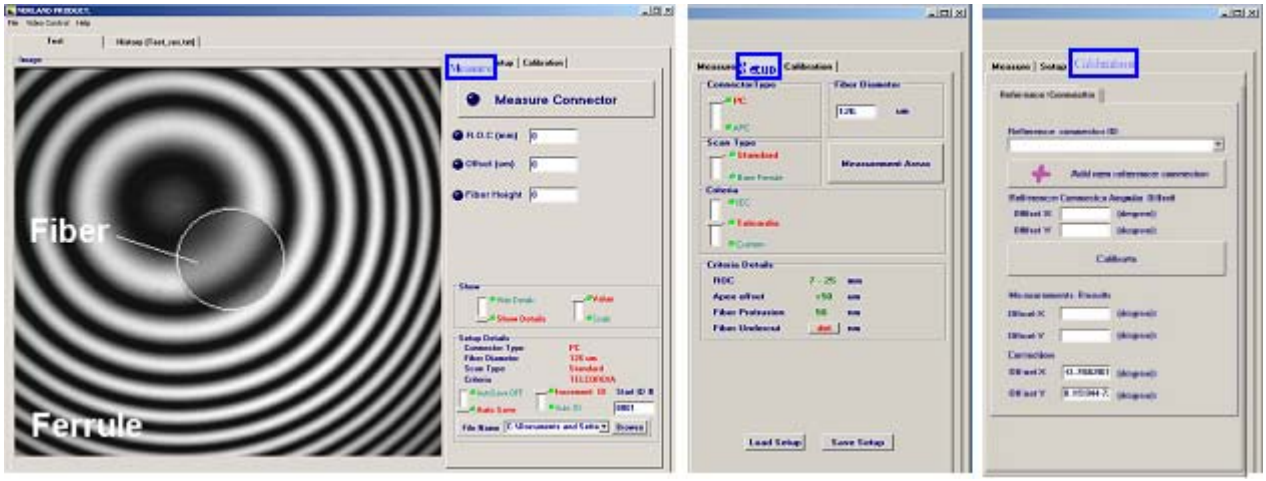


Tilted Phase Analysis provides detailed information on the fiber and ferrule.

EASY TO USE INTERFACE

The CC6000's user interface is ultra simple with every option visible under intuitive Menu Tabs. Just a click of the mouse calls up the Measure, Setup, Calibration, or History Window. Everything is preset to allow pass/fail measurements of PC and APC connectors using IEC, Telcordia, or your

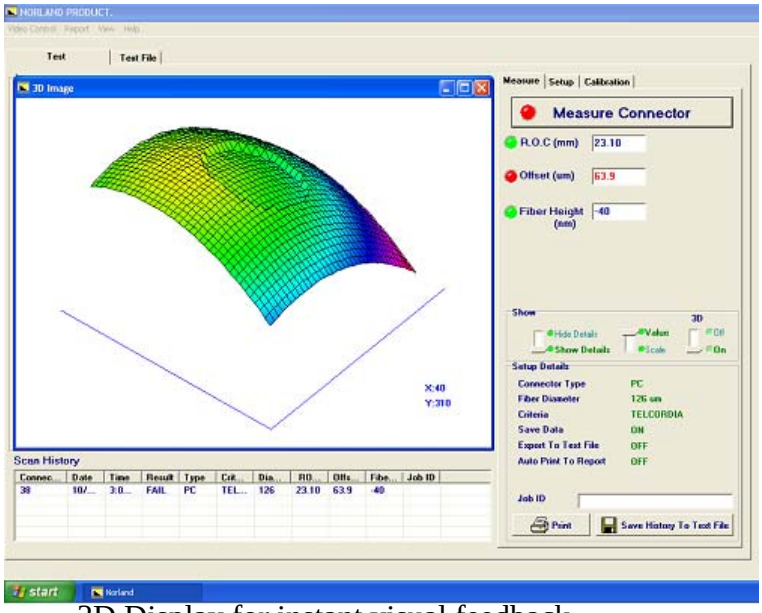
own custom standards. Precision mounts are available for all types of connectors and ferrules. Data can be saved to any directory on a network and imported to any database or spreadsheet.



Three Menu Tabs provide all the simple, intuitive choices for controlling the CC6000.

PRECISION OFFSET MEASUREMENTS

The CC 6000 is extremely robust and designed for accurate measurements in production, laboratory or field environments. Precision offset measurements are guaranteed due to our patented locking v-groove mount, which holds the connector in an exact, repeatable position during calibration and measurement. The system has been optimized to provide unsurpassed stability so that a single offset calibration will last for weeks. Mounts are available for 2.5 mm., 2 mm., 1.25 mm., and 0.0625" diameter connector ferrules. In addition to measuring connectors, it can also measure radius of curvature and apex offset of pre-radiused bare ferrules. There is nothing else like the Norland Connect-Chek® CC6000 – Accurate, affordable, and easy to use.



3D Display for instant visual feedback.

Preliminary Specifications		**Computer requirements**
Size	7" wide X 12.5" deep X 3.5" high	Pentium IV 1.5 Ghz. computer
Power	12 volt adapter	Windows 2000 or Windows XP
Magnification	10X objective	USB 1.1 or higher
Image frame size	640 X 480 pixels	128 MB RAM
Light Source	LED (660 nm)	
Lateral resolution	1 micron	

Measured parameters	**Range**	**Reproducibility**	**Repeatability**
Radius of Curvature	3 mm –50 mm	0.50%	0.25%
Apex Offset	0-500 microns	±2 microns	±1 micron
Fiber Height	+/- 160 nm	±4 nm	±2 nm