Intelligent Delivery Time for Fiber Optic End Face Inspection Instrument

Overview

AutoCheck is the first intelligent integrated fiber end-face inspector developed by Dimension Technology.

Key Takeaways

Modern intelligent fiber end-face inspection instruments can analyze multi-core connectors in as little as 5 seconds per 12-core fiber, with fully automated testing for up to 72 cores in a single click.

Smart

Check Instrument

The SmartCheck from Dimension Technology is designed for fully automated analysis of multi-core fiber connectors. It features automatic focusing, fiber switching, and end-face determination, allowing rapid inspection. For 12-core connectors, the analysis time is only 5 seconds, while it can inspect up to 72 cores in one operation with a single click on the “Measure” button.

The system automatically generates detailed Excel reports and supports customized IEC-compliant evaluation criteria, improving both efficiency and accuracy in production environments.

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

Auto

Check Instrument

The AutoCheck intelligent inspector also provides fully automated inspection. Once the fiber end-face is positioned, the system automatically focuses, centers, and measures the connector. The inspection process is simplified to selecting criteria and pressing the “Measure” button.

Reports are saved to an SD card or server via Wi-Fi or Ethernet.

Auto

Check ensures high accuracy, reliability, and repeatability, and can be configured to start inspections automatically, making it suitable for high-throughput applications. FIP100 Fiber Inspection ProbeThe FIP100 probe offers instant pass/fail results with a single button press. It auto-focuses, captures, and analyzes the end-face image according to IEC 61300-3-35 and other user-defined standards.

The inspection is completed in seconds, and detailed reports are available on iOS or Android apps, supporting PDF generation and sharing. This makes it ideal for fast, on-site inspections.

Fast

Check MT

The FastCheck MT is optimized for multi-core optical modules and high-density connectors. Using large-field imaging and intelligent analysis, it can inspect all fiber end-faces at once, eliminating core-by-core detection. The system integrates automatic focusing, centering, and pass/fail analysis, generating real-time visual reports and saving images and data for digital quality traceability.

This instrument is particularly suited for high-volume production environments, such as 400G/800G/1. 6T transceiver manufacturing. Summary12-core inspection: ~5 seconds (SmartCheck)Multi-core inspection (up to 72 cores): Single-click operation (SmartCheck)Automated focus and measurement: AutoCheck, FIP100, FastCheck MTReport generation: Automatic, digital, and IEC-compliantHigh-throughput suitability: FastCheck MT and SmartCheck for production lines These instruments significantly reduce manual intervention and inspection time, enabling intelligent, high-speed, and reliable fiber end-face testing for both laboratory and industrial applications.

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

Article Content

SmartCheck Intelligent Fiber Endface Inspector-DIMENSION

SmartCheck boasts outstanding software algorithms and is user-friendly, capable of distinguishing the smallest scratches and dirt spots on the fiber end face; the analysis time for 12-core products is only

SmartCheck Inspector

Smartcheck is the first intelligent endface inspector developed by Dimension Technology. It has many automatic intelligent functions such as auto analyze, auto focus and auto change fiber

DIMENSION SmartCheck Intelligent Fiber Endface

SmartCheck has outstanding software algorithms and is easy to operate, able to differentiate the small scratches and dirty points on the fiber end face; The

FI-7000 FiberInspector Pro Fiber Optic Inspection

The FI-7000 FiberInspector Pro is a fiber optic inspection scope that allows you to inspect and certify fiber optic connector end-faces in 1 seconds so you can get

Fiber End-face Visual Inspector

AutoCheck is the first intelligent integrated fiber end-face inspector developed by Dimension Technology. With the advantages of Dimension image analysis software and high performance

Automated Fiber Inspection Scope | Kingfisher International

Th is full function fiber inspection scope is a fully automated tool to check and analyze fiber optic connector end faces for dirt, condition, and quality as per IEC61300-3-35 requirements. Images are

FIP100 Fiber Inspection Probe – Tempo Communications

The FIP100 from Tempo is a fully automated inspection tool that provides fast and reliable analysis of fiber optic connector end faces and bulkheads. With a single button press, the FIP100 automatically

Inspection Probes

The P5000i makes it fast and easy to test and inspect fibre optic end faces. This intelligent fibre microscope removes the subjectivity from fibre inspection and

SmartCheck Inspector

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

SmartCheck Inspector SMARTCHECK Intelligent fiber End-face Visual Inspector Smartcheck is the first intelligent endface inspector developed by Dimension Technology. It has many automatic intelligent

Purchase Fiber Optic Inspection Tools Online

Buy fiber optic inspection equipment and tools from Cables Plus USA. Our fiber optic inspector tools offer networking installers many choices of endface inspectors and probes including single/multi-fiber

AutoCheck Intelligent Integrated Fiber End-face Visual

AutoCheck is the first intelligent integrated fiber end-face inspector developed by Dimension Technology. With the advantages of Dimension image analysis

SmartCheck Intelligent Fiber Endface Inspector-DIMENSION

SmartCheck Intelligent Fiber Endface Inspector- SmartCheck has default end face evaluation Settings that meet IEC requirements and can generate customized test standards to meet customer needs.

Fast Check MT Fully Fiber Endface Inspector

FastCheck MT Fully Fiber Endface Inspector efficiently meets capacity challenges with innovative technology. It adopts a large-field camera and high-precision optical system to realize one-time full

Fibre End-face Visual Inspection Equipment by Dimension Technology ...

Dimension SmartCheck Intelligent FibreEnd-face Visual Inspector Smart, efficient end-face inspection with automatic analysis, focus, fibre change and 1 click measurement.

Fiber Endface Inspection – connectors, bare fiber ends,

Various instruments are used for inspecting bare or connectorized fiber endfaces: fiber microscopes, videoscopes and interferometric analyzers.

Automated End Face Inspection Microscopes and Where They Come In

Performance of fiber optic cables can be determined by if the connector end faces are damaged or dirty. Just how perfect and clean is necessary for proper operation, you wonder? Most

Dimension: Fiber End-face Interferometer and Visual Inspectors

Dimension Dimension develop and manufacture intelligence and automatic Fiber Endface Interferometers and Fiber Endface Inspectors for the factory and in the field, constantly developing

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

Optical End Face Inspection Guidelines

IEC 61300-3-35, 2nd edition, June 1, 2015 “Fibre optic interconnecting devices and passive components – Basic test and measurement procedures” and ARINC Report 805-4 “Fiber Optic Test Procedures”

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

Website: https://cgweb.co.za
Technical inquiry: https://cgweb.co.za/project-enquiry.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved