

D80 Fiber Optic End Face Inspection Instrument



AI Overview

The D80 is a versatile fiber optic end-face inspection instrument designed for high-definition inspection of single-core, multi-core, and various connector types, offering magnifications from 50X to 400X.

Overview The D80 Fiber Optic End Face Inspection Instrument is a multi-functional tool used to inspect the end faces of fiber optic products, including single-core fibers, multi-core fibers, ferrules, MPO/MTP series, optical modules, SMA-905 connectors, fiber bundles, and plastic fiber series. It is widely used in manufacturing, research and development, engineering construction, and maintenance to ensure fiber end-face quality and prevent signal loss or reflection issues.

Key Features

- Magnification Options:** 50X, 80X, 100X, 150X, 200X, and 400X, allowing detailed inspection of dirt, scratches, and defects on fiber end faces.
- High-Definition Imaging:** Equipped with ultra-clear optical objective lenses, high-definition image sensors, and high-resolution LCD displays for clear visualization of end-face conditions.
- Stable Focus System:** Industrial-grade design with XY axis adjustment and built-in bearings ensures stable, shake-free images and precise centering for multi-core or single-core fibers.
- Image Storage and Output:** The instrument can save inspection images for analysis and quality control. It can also connect to external display devices for real-time monitoring.
- Durable Design:** Full metal spray paint shell protects against electromagnetic interference and vibration, making it suitable for industrial environments.
- Ease of Use:** Simple focus adjustment and interchangeable test interfaces allow quick setup and operation, suitable for both field and laboratory use.

Applications

- Quality Control:** Ensures fiber connectors and end faces meet IEC standards and internal quality criteria before deployment.
- Field Maintenance:** Portable inspection allows technicians to check fiber cleanliness and detect defects...

Article Content

DIMENSION SmartCheck Intelligent Fiber Endface

SmartCheck is the latest intelligent fiber optic end face detector developed by Dimension Technology. It has varied automated and intelligent functions such as

FiberSafe Fiber Scope | Kingfisher International

FiberSafe Fiber Scope handheld fiber optic connector end-face inspection microscope with superior image quality, improved eye laser safety.

AUTOCHECK Intelligent Integrated Fiber End-face Visual Inspector

AUTOCHECK Intelligent Integrated Fiber End-face Visual Inspector AutoCheck is the first intelligent integrated fiber end-face inspector developed by Dimension Technology. With the advantages of

Optical Fiber End Face Inspection and Automatic Analysis

EasyCheck V2 Digital Fiber Endface Inspector Next-gen all-digital fiber end-face detector with digital imaging for enhanced internal capabilities.

Fiber Inspection Scope Products

Shop fiber optic inspection scopes, including single- and multi-fiber inspection products from trusted brands like Dimension, Dommelle, Viavi, and Jonard.

Fiber Endface Inspection – connectors, bare fiber ends,

It is an international standard that defines microscope requirements, inspection procedures, and quantitative pass/fail criteria for debris, scratches, and defects

What Is a Fiber End-Face Microscope and Why It Matters

What Is a Fiber End-Face Microscope? A Fiber End-Face Microscope is a handheld or benchtop inspection device used to visually

EasyCheck Integrated Fiber End-face Visual Inspector

Easycheck is an integrated fiber endface inspector developed by dimension technology; it combines optical microscope and monitor in a body other than

Inspection and cleaning of connector end faces

The inspection and cleaning of connector end faces are important steps to ensure the normal operation and signal transmission quality of optical communication

Fiber End-Face Inspection and Interferometry

Overview Fiber End-Face Inspection and Interferometry are essential practices in maintaining high-performance fiber optic networks. Contamination and poor geometry on fiber connectors are leading

Portable Fiber Endface Inspector

NEXCONEC Portable Inspection Microscope is the upgraded version, which provides network installer with high performance fiber inspection solutions. The

Fiber End Face Inspection

Thorlabs' Fiber End Face Inspection Systems include a Fiber Cleave Analyzer that performs interferometric measurements on bare fiber and a Visual Scratch &

Optical connector end face inspection machine series

The Optical Connector End Face Inspection Machine series is a fiber end face inspection device that allows for easy observation of dirt on the end faces of optical connectors and transceivers (*). *Some

Fast Check MT Fully Fiber Endface Inspector

It adopts a large-field camera and high-precision optical system to realize one-time full-end face imaging and detection of multi-core connector end faces, and integrates fully automatic intelligent detection

EASYCHECK Integrated Fiber End-face Visual Inspector

EASYCHECK Integrated Fiber End-face Visual Inspector Easycheck is an integrated fiber endface inspector developed by Dimension Technology; it combines optical microscope and monitor in a

Fiber Optic Inspection Products

AFL Fiber Inspection Products allows safe inspection of fiber endfaces. delivers high-performance engineering, reliability and simplified deployment for critica

For End-face inspection | Kingfisher International

For End-face inspection. Microscopes for fiber optic connectors, both optical and video scopes for iPhone and Android

FiberSafe Fiber Endface Microscope | Kingfisher International

FiberSafe Fiber Endface Microscope KI6608: 40x magnification is ideal for inspecting POF and MPO/ MT ferrule full end-face.

Introduction To 3D Endface Testing of Optical Fiber

3D endface testing is a critical procedure to ensure the performance of optical fiber connectors. During fiber patch cord production, manufacturers use

Fiber optic connector end-face defect detection based on machine

Currently, most manufacturers still use manual visual observation under a traditional microscope for fiber end-face defect detection, which suffers from low precision, low efficiency, and

Fiber End-face Visual Inspector

EasyGetWiFi, its portable handheld fiber end-face visual inspector. Equipped with WiFi and USB port for image transmission, EasyGetWiFi can transfer the captured fiber end-face image quickly to display

Interferometric End Face Inspection

Arden VFI is specifically designed for checking the surface quality and flatness of cleaved or polished fibers. Users can view their fibers in a range of different

Optical End Face Inspection Guidelines

Fiber Chek is an integrated hardware/ software package engineered with the single purpose of critically and consistently grading fiber end-faces. Works hand in hand with the Quick Capture Analog Probe

SmartCheck Intelligent Fiber Endface Inspector

SmartCheck Intelligent Fiber Endface Inspector Desktop fiber end-face detector for fully automated analysis of multi-core fiber connectors□

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

All-in-one Fiber Optic End-face Inspection Scope,IV200M

The inspection microscope can separately inspect fiber optic transceivers, receivers and themselves. This type of inspection is ideal for overall inspection of C-MF

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

HTO-7000B Fiber End Face Detector – 200X/400X Microscope

DESCRIPTION The HTO-7000B Integrated Optical Fiber End Face Detector is HOLIGHT's advanced end-face inspection system, built to support production, testing, and R& D

Contact Us

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