ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Price of Optical Cable Reel Testing Fixture



Overview

We offer fiber optic materials from Test Equipment, Bulk Cable and Fusion Splicers to Tools, Patch Cables and Consumables.

Key Takeaways

Optical Cable Reel Testing Fixtures typically range from $5,000 to $50,000 depending on features, capacity, and compliance with industry standards.Overview

Optical Cable Reel Testing Fixtures are specialized machines designed to test the mechanical, environmental, and optical performance of fiber optic cables. They are used to evaluate tensile strength, crush resistance, bending, torsion, and other stress factors to ensure compliance with standards such as IEC 60794 . These fixtures are essential for manufacturers, telecom operators, and research institutions to verify cable durability and signal integrity.

Factors Affecting Price
• Testing Capabilities: Fixtures that perform multiple tests (tensile, bending, torsion, crush, impact) are more expensive than single-function units .

• Cable Type: Equipment designed for indoor, outdoor, or armored cables may vary in cost due to structural requirements .

• Automation and Data Logging: Fully automated systems with digital control, data storage, and trace analysis increase the price .

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• Brand and Technology: Leading suppliers like Torontech, VIAVI, and Fluke offer high-precision machines with advanced Canadian or US technology, which are priced at the higher end of the spectrum .

• Compliance and Certification: Fixtures that meet international standards (IEC, TIA, ISO) often cost more due to rigorous engineering and testing validation .
Typical Price Range
• Entry-level or single-function fixtures: $5,000–$15,000

• Mid-range multi-test fixtures: $15,000–$30,000

• High-end fully automated, multi-standard compliant fixtures: $30,000–$50,000 or more
Where to Purchase
• Netceed UK: Offers a range of fiber optic test equipment suitable for installation and maintenance .

• RS Components: Provides testers and accessories from brands like Fluke and Greenlee, with calibration services available .

• Torontech: Specializes in high-precision optical fiber cable testing machines compliant with IEC 60794 standards .

• Markertek and Fiber Optic Center: Supply OTDRs, test kits, and modular systems for lab and production environments .
Recommendation

For accurate pricing, it is best to contact suppliers directly with your cable type, testing requirements, and desired automation level. Many suppliers provide custom quotes based on the specific configuration of the testing fixture. This ensures you get a solution that meets both technical and budgetary needs.

Article Content

Test Boxes/Launch Boxes

Shop fiber optic launch boxes at FIS, high-quality OTDR launch boxes that extend the dead zone and improve accuracy when testing

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Since 1970, Budco has provide cable construction tools, cable installation tools, and cable identification tools including fiber optic test

FiberOptic Supply

We offer fiber optic materials from Test Equipment, Bulk Cable and Fusion Splicers to Tools, Patch Cables and Consumables.

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It will make fiber testing and network maintenance easier, faster, and more efficient for technicians and contractors. Use this adapter

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Launch reels eliminate the blind zone produced at the OTDR output, allowing the complete visualization of the whole length of optical

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While you can use an optical loss test set, an OTDR like **** Fluke Networks'' OptiFiber® Pro is recommended as it

Fiber Optic Test Equipment & Tools

Amphenol Fiber Systems has a complete tools to test fiber optic equipment, cables and connectors.

Test Boxes/Launch Boxes

Test Boxes/Launch Boxes Whether they are called a launch box, pulse suppressor, or launch cable they all do the same thing. When

On-the-Reel Testing of Fiber Optic Cable

How to test your cable when it is still on the reel to ensure there are no problems before it

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Shop Optical Wavelength Labs & Lightel fiber test equipment, optical scopes, and OTDRs at Markertek''s unbeatable prices. Free

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Fiber Optic

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Fiber Optic Cable Testing Equipment

For every fiber optic cable plant, you need to test for continuity and polarity, end-to-end insertion loss and then troubleshoot any

Fiber Testers

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Fiber Testers Upon completion, fiber optic cable application projects will often require the documentation of test results that record

Test Equipment

Test Equipment Fiber Optic Test Equipment is used to certify and troubleshoot fiber optic networks. From OTDR''s to Visual Fault

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Fiber Optic Testing Equipment

Large inventory of fiber optic laser light sources, high precision power meters, visual fault locators, OTDR launch boxes, connector

Amazon : Fiber Optic Test Equipment

Check each product page for other buying options.

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