Introduction and Price of Optical Cable Stripping Tools



Overview

Fiber strippers vary in the fiber diameters and coating materials they support, and they differ in convenience, throughput, reliability, and cost.

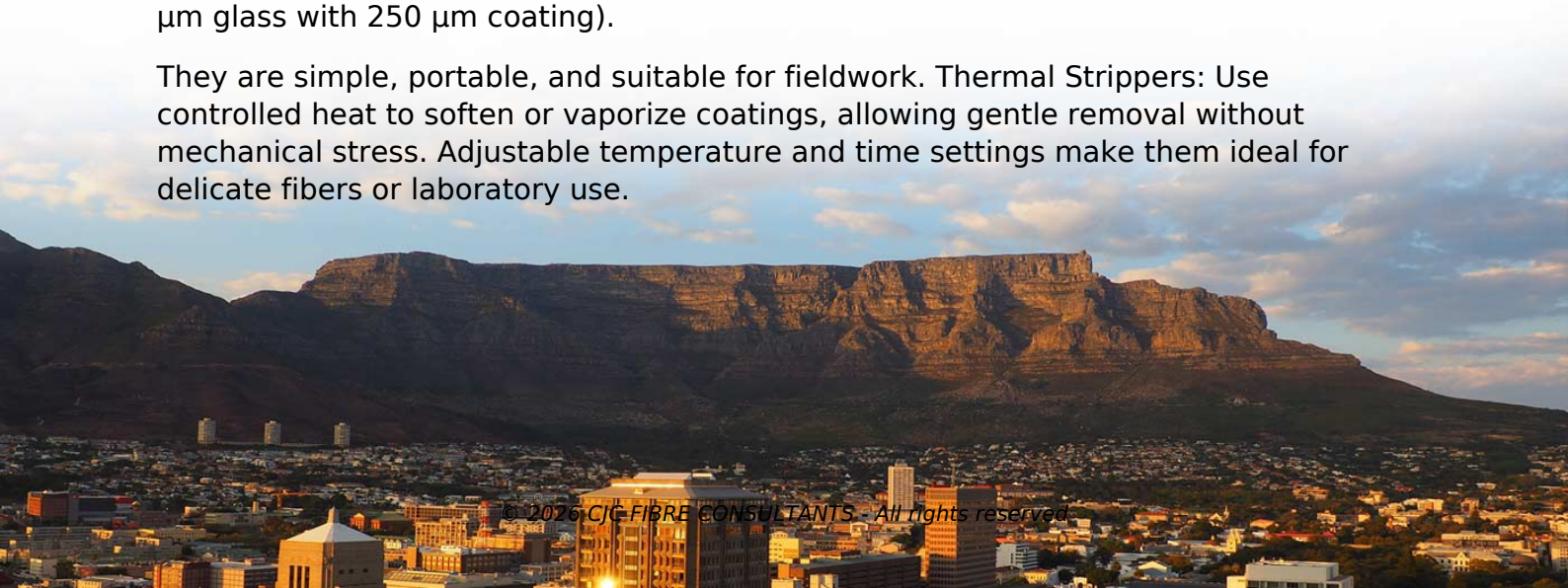
Key Takeaways

Optical cable stripping tools are specialized devices used to remove protective coatings from fiber optic cables, available in mechanical, thermal, and automated types, with prices ranging from $10 for basic hand tools to several thousand dollars for advanced automated systems.

Introduction to Optical Cable Stripping Tools

Optical fiber cables are coated with protective layers such as acrylate, silicone, or polyimide to prevent damage. Stripping tools are used to remove these coatings cleanly without nicking or scratching the glass fiber, which is critical for splicing, connectorization, or other fiber processing tasks. There are several types of fiber optic stripping tools: Mechanical Strippers: Handheld pliers or precision tools designed to remove coatings from standard telecommunication fibers (typically 125 µm glass with 250 µm coating).

They are simple, portable, and suitable for fieldwork. Thermal Strippers: Use controlled heat to soften or vaporize coatings, allowing gentle removal without mechanical stress. Adjustable temperature and time settings make them ideal for delicate fibers or laboratory use.



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Automated/Plasma-Assisted Strippers: High-end systems like the AutoStrip II or plasma-assisted units remove coatings chemically-free, often for mid-span window stripping or high-strength fibers. These tools provide precise, repeatable results and can handle large-diameter fibers or multiple fibers simultaneously. Some tools also handle tight buffers (900 µm) or cable jackets, and specialized devices can perform window stripping, where a short section of coating is removed from the middle of the fiber.

Price Range

Basic Handheld Mechanical Strippers: Typically range from $10 to $50, suitable for standard field installations and small-scale projects.

Mid-

Range Thermal Strippers: Prices generally range from $100 to $500, offering adjustable heat settings and better precision for laboratory or production use.

High-

End Automated Stripping Systems: Advanced units like the AutoStrip II or plasma-assisted machines can cost $5,000 to $20,000 or more, depending on features such as automated window stripping, tensile testing, and multi-fiber processing capabilities.

Key Considerations

When selecting a fiber optic stripping tool, consider: Fiber type and coating diameter (standard 125 µm vs specialty fibers)Application (field installation, lab work, or high-volume production)Precision and repeatability requirementsBudget and long-term durability Investing in high-quality tools ensures clean, consistent stripping, reduces fiber damage, and supports reliable splicing and connectorization. Overall, optical cable stripping tools range from simple, affordable hand tools to sophisticated automated systems, allowing users to choose based on their specific fiber optic project needs.

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Article Content

Fiber Strippers – tools, mechanical, thermal, chemical,

Fiber strippers vary in the fiber diameters and coating materials they support, and they differ in convenience, throughput, reliability, and cost. Production

Fiber Optic Strippers | Cable & Wire Stripping Tools

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Fiber Optic Cable Stripping Tools and Equipment

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Amazon : Fiber Optic Tools

Check each product page for other buying options. Price and other details may vary based on product size and color.

Fiber Optic Cable Cutting Machines Stripper Tools Types Prices

The Cable Cutting Machines & Stripper Tools category features a comprehensive selection of manual, semi-automatic, and fully-automated fiber cable tools designed for precision cutting and stripping of

Fiber Cable Slitters Types Prices & Technical Specifications

What is a fiber cable slitter? A fiber cable slitter is a precision hand tool used to cut or open the outer jacket or buffer tube of a fiber optic cable without damaging the internal fibers.

Fiber Cable Strippers

Proper stripping of the fiber cable jacket is essential to expose the fiber without causing damage, which is crucial for successful fiber splicing. Explore our stripping tools to find the one that best suits your

Amazon : Fiber Optic Cable Tools

Fiber optical thermal stripper M9 is suitable for 1-48 cores, compatible bare fiber/bundle and ribbon fibers,Dual heating mode and 8-level temperature regulation. Automatic heating peeling tool.

Fiber Optics Stripping, Cleaving, Splicing, Recoating,

Fiber Optics Cleaving and Stripping Tools available from StockAMS Technologies offers the full range of must-have tools for field or production – including

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Fiber Optic Stripping Tools – trueCABLE

Accurate cable stripping is the foundation of every successful fiber optic installation. Our fiber optic stripping tools are meticulously designed for clean, consistent

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Stripping Tools

Stripping Tools When stripping fiber optic cable, a professional quality stripping tool makes your job easier by providing a clean cut. A fiber stripper should have hardened stripping jaws that are

Amazon : Fiber Optic Tools

Signal fire Fiber Optic Stripper, 9 in 1 Fiber Optic Stripper Tool, Wire Cutters Pliers Electrician Tools for Wire Stripping Cutting & Cleaning, Fiber Cable Stripping Tool for Technicians 50+ bought in past

Fiber Optic Cable Tools

FS offers a range of cable tools, such as cable stripper, cable slitter, cable cutter for fiber or copper cables

Fiber and Cable Stripper – Types, Uses & Guide

Fiber & Cable Stripper for Fiber Tools 1. FOS03 Fiber strippers remove the coating from the fiber optic cable to expose the glass fiber. Also

Fiber Cable Tools, Fiber Cable Stripping Machine

Fiber optic tools are used for fiber optic cable installation, termination and maintenance works of lineworkers, powerline technician (PLT), or powerline workers. As working in many areas, such as

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Fiber optic termination tool kit with fiber optic Cold Welding cleaver and 3-port Fiber optic stripper FTTH Fiber optic cable stripping pliers tool bag You pay $36.93 with coupon Add to cart

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