

Fiber Optic Hot Stripping Pliers



Overview

2-Piece Kit Fiber Optical Thermal Stripper M8 & Fiber Optical Fiber optic hot stripping pliers are an efficient and intelligent fiber optic processing tool.

Key Takeaways

Fiber optic hot stripping pliers are precision thermal tools designed to remove coatings from optical fibers safely and efficiently, exposing bare glass without damage.

Fiber optic hot stripping pliers, also known as thermal fiber strippers, are specialized tools used to remove the protective coating from optical fibers, exposing the bare glass for splicing, termination, or testing. Unlike mechanical strippers, thermal strippers use controlled heat to soften or vaporize the coating, reducing the risk of scratches, nicks, or micro-cracks on the fiber surface, which is critical for maintaining signal integrity and fiber strength.

Key Features

- **Automatic Heating and Temperature Control:** Devices like the SAIVXIAN U9 and Wooswen FSP160 feature automatic heating with thermostat control and multi-level temperature regulation, allowing precise adjustment for different fiber types and coatings.
- **Compatibility:** Suitable for single fibers, fiber ribbons, bare fibers, and bundled fibers, typically handling standard telecommunication fibers with 125 μm glass cladding and coated diameters around 250 μm , as well as specialty fibers with thinner coatings.

- **Non-Destructive Stripping:** Thermal strippers gently remove coatings without mechanical stress, preserving fiber tensile strength and ensuring high-quality splices .

- **Portability and Power:** Many models are handheld and rechargeable, often using Type-C charging ports, with battery life sufficient for multiple continuous stripping operations .

Usage Instructions

- **Preparation:** Ensure the device is fully charged and clean. Select the appropriate temperature mode for the fiber type.
- **Operation:** Insert the fiber into the stripping slot. Activate the heating element; the coating softens and can be removed with minimal force.
- **Adjustment:** Use multi-level temperature settings to accommodate different coatings, including tight buffers (e.g., 900 µm) or ribbon fibers.
- **Safety:** Avoid direct contact with the heated elements and handle fibers with tweezers to prevent contamination or injury .

Advantages Over Mechanical Strippers

- **Precision:** Thermal stripping avoids nicking the glass, which is especially important for high-strength splices.
- **Versatility:** Can handle a wide range of fiber types and coatings, including specialty and ribbon fibers.
- **Efficiency:** Reduces preparation time and improves consistency in laboratory, production, or field environments .

Applications

- Fiber optic splicing and termination
 - Laboratory testing and research
 - Field installations requiring high-quality, non-damaged fiber ends
 - Preparation of fibers for fiber Bragg gratings or other specialized optical components
- In summary, fiber optic hot stripping pliers are essential tools for safely exposing bare fiber, offering precise, non-destructive coating removal with adjustable thermal control, making them ideal for both professional and field applications .

Article Content

2-Piece Kit Fiber Optical Thermal Stripper M8 & Fiber Optical

Fiber optic hot stripping pliers are an efficient and intelligent fiber optic processing tool with the characteristics of constant

Fiber Optic Thermal Stripper, Auto Heating Stripping Tool (US Plug ...

Compatible with various fiber types, it offers precise stripping control and simultaneous multi-fiber processing. With extended battery

Strippers

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SAIVXIAN U9 Fiber Thermal Stripper Hot Jacket Remover

SAIVXIAN U9 Fiber Thermal Stripper Hot Jacket Remover Metal body, more durable.
Built-in lithium battery, which can be charged

Thermal Strippers | Jonard Tools

Thermal Fiber Stripping Tool Jonard Tools manufactures over a large range of fiber optic cable thermal strippers and accessories

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S9 Fiber Optic Hot Stripping Pliers Straight Plate Fiber Optic ...

Specifications: Product Name: S9 fiber optic hot stripping pliers Selection: S9 hot stripping pliers without battery, S9

Fiber Splicing

Spec Sheet The RS01, RS02, RS03 and RS03-80 Thermal Strippers provide superior stripping performance for both single and multi

Fiber Stripping Tools

Jonard Tools manufactures a large range of fiber optic stripping tools specifically designed for technicians in the fiber optics industry.

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