

Fiber Optic Stripper for Fiber Fusion Machines



AI Overview

Fiber optic strippers are precision tools used to remove coatings from optical fibers, available in mechanical, thermal, and automated versions for fusion splicing applications.

Types of Fiber Optic Strippers

Mechanical Strippers: These are handheld tools designed to remove fiber coatings by cutting or peeling them off. They are suitable for standard telecommunication fibers (125 μm glass cladding, $\sim 250 \mu\text{m}$ coated diameter) and can also handle specialty fibers with thinner or thicker coatings. Mechanical strippers are simple, portable, and ideal for field use, but require careful handling to avoid nicking the fiber glass.

Thermal Strippers: Thermal or heated strippers use controlled heat to soften the fiber coating, allowing it to be removed gently without damaging the glass. Some models offer adjustable temperature and timing settings, making them suitable for laboratory, production, or high-precision applications. Thermal strippers are particularly effective for high-strength splices and fibers with sensitive coatings.

Automated and Plasma-Assisted Strippers: Fully automated systems, such as plasma-assisted or burst technology strippers, remove coatings cleanly without contact, minimizing fiber damage. These devices can handle large-diameter fibers (up to 1200 μm) and provide precise window stripping for mid-span applications. Many automated strippers include built-in tensile testers and microprocessor-controlled parameters to ensure repeatability and high-quality splices.

Notable Products

AFL Precision Strip Tool: A battery-powered, handheld thermal stripper that softens and removes fiber coatings quickly with minimal force, ideal for field work. It ensures high-quality splices and ergonomic handling.

LASER COMPONENTS Thermal and Plasma Strippers: Offer adjustable temperature settings and automated plasma-assisted stripping for fibers and fiber r...

Article Content

SeikoFire

SeikoFire Technology specialized in designing, manufacturing, and selling fiber optic fusion splicer & test instrument. Our main products including fiber fusion

Splicing of optical fiber | PDF

This document discusses optical fiber splicing. It describes three main splicing methods - de-matable connectors, mechanical splices, and fusion splices.

Fiber Optic Cable Splice: The Most Complete Guide

Fiber fusion splicing As we approach 2025, the fiber optics sector is evolving rapidly, driven by demands for ultra-high bandwidth and sustainable

AFL Fiber Optic Products | Fiber Instrument Sales

AFL fiber optic products is designed for precise optical performance in demanding network environments from Fiber Instrument Sales.

Fusion Splicer Fiber Optic AI-9 Optical Fiber Splicer Fiber Optic ...

Buy Fusion Splicer Fiber Optic AI-9 Optical Fiber Splicer Fiber Optic Splicing Machine with Upgraded 5" Touch Screen, 6-Motor Core Alignment, 5s Splice for FTTH Telecom Trunk Line Projects

Specialty Fiber Stripper SS110

Automatic stripping mechanism provides both easy operation and consistent results. The SS110 achieves high-quality optical fiber coating stripping because of its specially shaped stripping blades.

Fiber ribbon thermal stripper at ₹ 45000/piece | Fiber Optic Stripper ...

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The Fiber Optic Association Inc.

Fusion splicing uses a machine to "weld" fibers together in an electric arc. Mechanical fibers clamp two fibers into alignment with index matching gel between them to reduce loss and reflectance.

Optical Fiber Strippers

We have the right tool for every fiber and every cladding. Our range of optical

Fiber Fusion Splicers & Processing Equipment

To create splices with high optical quality and mechanical strength, these tools perform a series of tasks, including stripping, cleaning, cleaving, splicing,

Fiber Stripping Tools

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

Fiber Stripper

Fiber strippers and other fiber optic stripping tools with which you prepare your fibers for splicing. Thermal strippers with adjustable temperature and time settings.

[2026 Latest] Comprehensive Guide to Selecting and Operating Fusion ...

Once splicing is complete, the internal optical path of the fiber becomes continuous and intact, enabling low-loss, high-efficiency optical signal transmission. 2. Main Classifications and

Fiber Optic Pigtail: The Complete Guide to Types,

Confused about fiber optic pigtails—which connector type, which polish, fusion or mechanical splice? Our guide covers LC vs SC, APC vs UPC,

Fiber Optic Splicing

Fiber Optic Center has fiber optic splicing equipment, including splicers, cleavers, protection sleeves, mechanical splicing tools and more. We distribute fiber optic

Fiber Strippers - tools, mechanical, thermal, chemical,

Fiber strippers are precision tools that remove a coating from a fiber before connectorization or splicing. There are mechanical, thermal and non-contact

Stripping Cleaning and Fiber Prep Automation Products

AFL's advanced Stripping, Cleaning, and Fiber Prep Automation solutions for fusion splicing. Our products ensure efficient, precise fiber preparation, helping enhance fiber optic network performance

Thorlabs · Strippers / Cleaners

Thorlabs Vytran ® offers a fiber window stripper for polyimide-coated fibers, an ultrasonic fiber cleaner, and fiber preparation stations to strip and clean fiber

Wholesale fiber fusion machine

Welcome to Tribler, a specialist manufacturer of fiber optic test equipment in China. Tribler offer fiber optic test equipment, including fusion splicer, otdr and other fiber optic solutions.

Sourcing fiber optic cable blowing machine suppliers

Find trusted fiber optic cable blowing machine suppliers in Manufacturing Equipment for Electrical & Electronic Product and Manufacturing & Processing Machinery with bulk pricing. Ideal for long-term

Fiber Optic Stripping

3SAE Technologies designs and manufactures a wide range of high performance fiber optic stripping tools for optical fiber coating removal, providing the most

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Telkom fiber optic stripper TK-6S for flawless fiber work | Lahore, Punjab 5v5 modem for sale in Manila Looking for sc connector butterfly 100pcs need ko with free stripper sana

AFL Precision Strip Tool: Fast, Simple, and Accurate F

Designed for field work, this automated stripper performs coated fiber stripping tasks quickly and precisely, ensuring optimal performance and reliability for your fiber

Fujikura 90S+ Fusion Splicer

Fujikura 90S+ Fiber Optic Splicing Machine [CT50 Cleaver] The 90S+ is a core alignment fusion splicer that sets a new standard for fusion splicing devices on the market. The 90S+ is packed with a range

Used New Electrodes for Fujikura FSM

New Electrodes for Fujikura FSM- 50S/ 60S/ 60R/ 80S Fusion Splicer Electrodes Change electrode method First, must confirm the welding machine in a shutdown state, take the electrode chamber

AFL Fujikura 100S Fusion Splicer (machine only), EA

Overview The AFL Fujikura 100S is a core-alignment fusion splicer engineered for high-precision fiber optic joining. It incorporates automated processes for wind protection, tube heating, and splicing to

Ocean Optics 600-UV-VIS Optical Fiber High Sensitivity

Description Ocean Optics 600-UV-VIS Optical Fiber High Sensitivity High-sensitivity optical fiber for UV-VIS spectroscopy applications ... Key benefits: Optimized for low-light detection, durable

The Complete Step-by-Step Guide to Fiber Optic Splicing

In this guide, we cover the basics of fiber optic splicing, how to perform splicing using two different methods, and finally some best practices to perform good

Contact Us

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