

New Model of Optical Cable Fusion Splicer



Overview

Top 5 Fusion Splicers for 2026: Precision Tools for A high-quality fusion splicer creates seamless, low-loss fiber connections that minimize New Core Align.

Key Takeaways

The newest optical cable fusion splicer is the Fujikura 100S, launched in 2025, featuring advanced core alignment, GPS tracking, and smart operation tools for efficient, low-loss fiber splicing. Fujikura 100S

The Fujikura 100S is the latest core alignment fusion splicer designed for long-distance, low-loss fiber connections. It offers:

- **Core Alignment Technology:** Ensures precise fiber core alignment for minimal signal loss.
- **Splice Coach Function:** Guides operators step-by-step, making it suitable even for less experienced users.
- **GPS Functionality:** Records splice inspection results with location data for improved traceability and construction management.
- **Integration with Accessories:** Works with the CT60 cleaver and SS05 fiber stripper, allowing simultaneous preparation of two fibers and reducing connection work time by up to 20% compared to previous models.

- **Active Fusion Control & Blade Management:** Automatic arc discharge control and wireless monitoring of cleaver blade condition ensure consistent low-loss splicing.
 - **Smart Connectivity:** Data can be downloaded to a smartphone via the Splice+ app for easy record-keeping and analysis .
- Other Leading 2026 Models

Several other high-performance fusion splicers are also available in 2026:

- **COMWAY C10S v2:** Features 6-motor core alignment, sub-0.02 dB typical loss for single-mode fibers, IP65-rated ruggedness, 5-second splice time, and 8-second heat time. It integrates fiber splicing and endface melting in one unit with a 5-inch HD touchscreen for precise alignment .
- **Sumitomo Type-82C+:** Designed for backbone networks and high-density splicing, offering fast splice cycles and reliable core alignment.
- **TEKCN TC-600:** Optimized for field use with robust design and efficient battery life.
- **JETFIBER H5:** Suitable for FTTH and enterprise networks, balancing portability and precision .

Key Features to Consider

When selecting a fusion splicer, consider:

- **Alignment Type:** Core alignment for high-precision, low-loss splicing; cladding alignment for budget-friendly, moderate precision.
- **Fiber Format:** Single fiber vs. ribbon fiber splicers, depending on project scale.
- **Splice Speed:** Modern splicers achieve 5–8 second splice times with 8–10 second heating cycles.
- **Durability:** IP-rated enclosures for dust, water, and shock resistance.
- **Smart Features:** Automated calibration, arc adjustment, and connectivity for data management.
- **Portability and Battery Life:** Essential for field operations, especially in remote or large-scale deployments . The Fujikura 100S represents the forefront of fusion splicer technology, combining speed, precision, and smart features to enhance efficiency and reliability in modern fiber optic networks.

Article Content

New Core Alignment Fusion Splicer and New Optical Fiber Cutters

Fujikura Ltd. (President & CEO: Naoki Okada) will launch the new core alignment fusion splicer "100S" and the new

Amazon : Fusion Splicer

Explore fusion splicers compatible with single-mode, multi-mode, and specialty fibers. Get machines with rapid splicing and

Fiber Optic Fusion Splicers

Fusion Splicing is a preferred way to join two fibers together by using heat. Whether the fiber was broken or not long enough, a

Amazon : Fiber Fusion Splicer

Signal fire New Model AI-9 Fusion Splicing Six Motor Core Alignment Fiber Fusion Splicer Automatic FTTH Fiber Optical Welding

The FOA Reference For Fiber Optics

Follow manufacturer's requirements for servicing. Virtual Hands On, Fusion Splicing Virtual Hands On, Ribbon Splicing Detailed

10 Best Fiber Optic Fusion Splicer Machines (August 2026) Expert

Discover the 10 best fiber optic fusion splicer machines (August 2026). Our expert reviews highlight reliable,

Fusion Splicers | Telecommunication Systems Business Unit

Fusion splicer enable splicing of Fiber Optic Cable with low loss and high reliability. For fusion splicer, we offer two types: Core

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