

Complete List of New Models of Optical Cable Fusion Splicers

Article Overview

The latest optical cable fusion splicers, such as Fujikura 100S, Signal Fire AI-30, and Furukawa FITEL S185EVROF, offer faster, more precise, and field-ready splicing with advanced core alignment, smart guidance, and compatibility with emerging fiber types.

Fujikura 100S Fusion Splicer

The Fujikura 100S is a core alignment fusion splicer designed for low-loss, long-distance fiber connections. It integrates the Splice Coach function to guide operators through each step, making it suitable for both experienced and novice users. When paired with the CT60 cleaver and SS05 fiber stripper, preparation and splicing time can be reduced by 20% compared to previous models. Key features include GPS-enabled splice logging, automatic wind protector control, ACTIVE FUSION CONTROL TECHNOLOGY for precise arc discharge, and ACTIVE BLADE MANAGEMENT TECHNOLOGY for wireless monitoring of cleaver blade condition, ensuring consistent low-loss splicing .

Signal Fire AI Series

The Signal Fire AI-30 and related models (AI-6A/6C/7C/8C/9) emphasize speed and portability. The AI-30 features a high-definition 5-inch LCD, 320x magnification, and rapid core alignment splicing in 6 seconds, with heating completed in 15 seconds. Its large-capacity lithium battery allows up to 260 splices per charge and can even charge external devices, making it ideal for fieldwork. The AI series uses advanced CPUs and algorithms for precise fiber core visualization, low fusion loss, and stable performance in harsh environments such as high altitude, cold, or dry conditions .

Furukawa FITEL S185EVROF

The FITEL S185EVROF targets emerging fiber types, including hollow-core fibers (HCF) and multi-core fibers (MCF). It features end-view composite imaging, a Dual Mirror System for dual-end inspection, and STA2D rotational arc discharge for precise thermal control. This ensures accurate alignment and polarity control, even for fragile or complex fiber geometries. Its compact, portable design supports field-ready operations for high-capacity datacom, quantum networks, and metro core infrastructures .

Key Advantages of Modern Fusion Splicers

- o Core Alignment Precision: Minimizes splice loss, critical for backbone networks and long-distance transmission .
- o Speed and Efficiency: Splice cycles as fast as 5-8 seconds with heating times of 8-15 seconds, reducing

Complete List of New Models of Optical Cable Fusion Splicers

downtime .

- o Smart Features: GPS logging, wireless blade monitoring, and automated arc calibration improve traceability and reliability .
- o Field Usability: Compact, lightweight designs with large-capacity batteries and intuitive displays support outdoor and high-density installations .
- o Compatibility: Supports single fibers, ribbon fibers, multi-core, and hollow-core fibers, addressing both traditional and next-generation network needs .

Conclusion

The latest fusion splicers combine precision, speed, and smart technology to enhance fiber optic network deployment. Models like the Fujikura 100S excel in guided, low-loss splicing with traceability, Signal Fire AI-30 emphasizes rapid field operations, and FITELE S185EVROF addresses advanced fiber types for future-proof networks. Selecting the right splicer depends on project scale, fiber type, and operational environment, but all modern models significantly improve efficiency, reliability, and overall network performance.

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

An expert resource for selecting the most reliable, accurate, and cost-effective fusion

Discover more about fibre optic splicing EDP Europe is a distributor of Fujikura fibre optic splicers. In this Guide To Fibre Optic

Our extensive knowledge of fibre optics and fusion splicing means our experts are

Fiber optic networks are expanding faster than ever, and whether you are running FTTH drops, maintaining

Specialized Products offers fusion splicers, fiber splice sleeves and fiber cable splicing accessories

Fusion Splicers for Network Managers and Larger Projects High-level network managers rely on high-functioning, sophisticated

Splicemarket offers fusion splicers,Fiber Cleaver, fiber splice sleeves,Modular Hand-Held OTDR,Fibre

Optical fiber fusion splicers are critical tools for installing and maintaining optical fiber networks. When selecting a fusion

Complete List of New Models of Optical Cable Fusion Splicers

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

Fiber Fusion Splicers GAO's fiber fusion splicers are used in the field of fiber optics to join or splice two optical fibers together. Our

Fiber optic fusion splicers are the unsung heroes of modern telecommunications. These

Our team compared 10 models side by side, running hundreds of test splices across single-mode, multi-mode, and

AFL, as the exclusive North American supplier, offers a complete line of Fujikura field fusion splicers--from ultra-compact units to

By using the Clad Alignment fusion splicer 45S together with the optical fiber cleaver CT60 and fiber

AFL Fusion Splicers provide you with the precision and reliability you need to splice your fibers. We offer a

Web: <https://www.morwarreconst.co.za>

