Ribbon Fusion Splicer

Variants

COMWAY C10R

Details

The **Ribbon Fusion Splicer** is a professional optical fiber fusion splicing machine designed for both **single fiber and ribbon fiber splicing (up to 12 fibers)**. Featuring a high-speed dual-axis alignment system, 4.3-inch color LCD display, powerful lithium battery, and intelligent splice management, it delivers outstanding performance for telecom operators, ISPs, data centers, utility networks, and large-scale FTTH deployments.

With support for multiple fiber types, 100 splice programs, 20 heating modes, USB communication, and optional GPS functionality, this fusion splicer provides fast, reliable, and low-loss splicing in demanding field environments.

Fiber Capacity	**1–12 Fibers**
Splice Time	**13 sec**

Battery Capacity

8400mAh

Display

4.3"

Key Features

? Supports Single Fiber to 12 Fiber Ribbon Splicing

? High-Speed 13 Second Fusion Splicing

? 18 Second Heat Shrink Protection

? Dual CMOS Cameras with Dual-Axis Alignment

? 4.3-inch High Brightness Color LCD

? 100 Splice Programs & 20 Heating Modes

? 10,000 Splice Result Storage

? USB Communication & Optional GPS

Technical Specifications

Parameter	Specification

Applicable Fibers	SM (G.652), MM (G.651), DS (G.653), NZDS (G.655), BI (G.657)
Fiber Capacity	Single Fiber to 12 Fiber Ribbon
Fiber Holder	125?m / 160?m to 3mm Fiber Holder System
Ribbon Thickness	0.25–0.40 mm
Cleave Length	9.0 – 9.5 mm
Splice Programs	100 Modes
Heating Programs	20 Modes
Typical Splice Time	13 sec (SM FAST), 16 sec (SM AUTO)
Tube Heating Time	18 sec
Applicable Sleeves	25–60 mm
Display	4.3-inch High Brightness Color LCD
Camera System	Dual CMOS Cameras
Magnification	32×–100× (X, Y or Simultaneous)
Splice Result Storage	10,000 Records
Image Storage	800 Images
Typical Splice Loss	SM 0.05dB, MM 0.03dB, DS 0.08dB, NZDS 0.08dB, BI 0.05dB
Return Loss	>60 dB

Electrode Life	2,000 Splices
Battery	8400mAh Lithium Battery (240+ Splice & Heat Cycles)
Power Supply	AC 100–240V, 50/60Hz
Communication	USB 2.0
Operating Conditions	-10°C to +50°C, 0–95% RH, Altitude up to 3800m, Wind up to 15m/s
Dimensions	156 × 135 × 149 mm
Weight	1.7 kg (2.5 kg with Battery)

Applications

FTTH Deployment • Ribbon Fiber Networks • Telecom Operators • ISP Backbone • Data Centers • Utility Networks • Metro Fiber Networks • Long-Haul Optical Networks • Enterprise Fiber Installation • Optical Cable Maintenance

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