

Fusion Splicer – 109

3C3® Fusion splicing machines adopt high-speed image processing technology and special precision positioning technology, automatically finish the whole process of fiber fusion in less than 8 seconds typically, digital LCD monitor displays all steps of fiber fusion clear at a glance.

Features

- Compact & Lightweight
- Fully Automated Operation
- 5000m altitude ensures splice quality
- System test ensures the best working condition
- Color LCD monitor
- Pause function, convenient for scientific research
- Store 8000 groups of splice results
- USB & DC interface
- High battery capacity, up to 200 times of continuous splice and heat

Technical Specifications

Parameter	Items
Fiber Diameter	Cladding Diameter: 80-150 um; Coating Diameter: 100~1000 um
Applicable Fibers	SM, MM, DS, NZDS, BIF/UBIF, Pigtail Cable
Average Loss	0.05dB(SM), 0.03dB(MM) 0.03dB(DS), 0.03dB(NZDS), 0.05dB(BIF/UBIF), 0.05dB(Pigtail Cable)
Return Loss	Better than 60dB
Operation Methods	Auto, Semi-auto
Typical Splicing Time	10S
Typical Heating Time	19S (Standard 60mm)
Fiber Aligning	Cladding alignment
Cutting Length	10~16mm (Fiber diameter < 250um) 16mm (Fiber diameter: 250~1000um)
Magnification	X or Y:200, X+Y: 100X
Image Display	3.5 Inch TFT LCD 640*480 resolution
Tension Test	Standard 2N
Applicable Sleeve	60mm/40mm/20mm or etc.
External Interface	Mini USB
Splicing Mode	100 (9 in Factory Default)
Heating Mode	50 (8 in Factory Default)
Storage	Storing 5000 splicing results 10 groups splicing image
Electrode Life Cycle	Typical 2000 times
Battery Life Cycle	Typical 300~500 charge/discharge cycles Charging Time:3.0~4.0 hours (can be used when charging)
Power Supply	Built-in lithium battery: 11.1V, 4500mAh AC/DC adapter input: AC 100-240V, output: Dc 13.5V/5.0A
Working Environment	Temperature:- -10+50/14122 Humidity: 95% RH (40/140 non-condensing) Altitude:05000m
Dimensions	L*W*H=120*130*60(mm)
Weight	0.85KG(include battery)

Ordering Information

Part Code	Description
3C-OFS-109	Fusion Splicer - 109

