

Fusion Splicer Kit

NT-A9L-EL

6 Motor, Fully Automatic, Fast-splicing Fusion Splicer



Features:

- 8 second fully automatic fast splicing
- Dust-proof
- Water-proof
- High altitude
- 5-inch TFT LCD touch screen display
- Touch screen tap to enlarge the splicing image
- Newest Linux OS - Faster operation, more stable splicing and less loss
- Auto detection of fiber and splice
- 2 mega-pixel camera
- Hard Drive storage 8Gb, plus 1Gb RAM storage



NT-A9L-EL Kit Includes:

- NT-A9L-EL Fusion Splicer
- Fiber Optic Cleaver
- AC power cord and Adapter
- Spare electrodes
- 3-home fiber stripper
- Alcohol bottle
- Carrying case
- Dust-blowing ball
- Cooling tray
- Multi-function fiber holder
- Instruction manual

Description:

The premium quality Multicom NT-A9L-EL Core alignment, Cladding alignment, Fine alignment, and Manual alignment Fiber Optic Fusion Splicer is drop/impact, dirt/dust, and water-resistant.

This 6 motor fusion splicer employs high-speed image processing and special positioning technology allowing the fusion splicing to be completed in as little as a FAST 8 seconds. The splicer is compact, lightweight, and ideal for working just about anywhere, including harsh outdoor environments and dark and remote worksites.

What makes this fusion splicer stand out is it has SIX MOTORS. Why 6 motors?

- 2 Driving Motors
- 2 Aligning Motors
- 2 Focusing Motors – These motors are not included in 4 Motor Fusion Splicers

The two additional Focusing Motors are installed on the optical lens. The motors will change the distance between the fiber and lens to make an enhanced focusing image. Once the fiber is placed in the holders, the motors will drive the lens closer or further away from the fiber so that the fiber image will be displayed differently visually on the monitor. Then the software will process the image and auto-ID the fiber type.

For instance, if a user puts a Singlemode fiber in the left holder of the splicer and a Multi-mode fiber in the right holder, after closing the cover, the auto-focusing kicks in – based on the reflection ratio, the preset software will identify the fiber type and the 6 Motor Fusion Splicer will give a warning that there are two different and incompatible fiber types about to make a fusion.

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Parameter	Specification
Applicable Optical Fiber Types	SM (G.652/G.657), MM (G.651), DS (G653), NZDS (G.655). Bi.1. UBL EDF-1 G657B3-1
Applicable fiber core number	Single Core
Motor Number	6 Motors, Auto Focus
Alignment	Core Alignment, Cladding Alignment, Fine Alignment, Manual
Applicable Fiber diameter	Cladding Diameter 125-IS0um, Coating Diameter 250-1000um
Splice Mode	Prestore 15 groups. User define 1,000 groups
Splice Function	Step by step (semi-automatic and manual), Automatic splice
Average Fusion Splice Loss	0.02dB (SM), 0.01dB (MM), 0.02dB (CS), 0.04dB (DS), 0.4dB (NZ-DS)
Return Loss	>60dB
Splice Loss Estimation	Yes
Screen	5" color TFT LCD, Supports multiple languages
Human Interface mode	Button / Touch operation
Optical Fiber Magnification Times	X/Y 210 times, X or Y 320 times (images can be double-clicked to magnify 1,100 times)
OS System	Linux OS
Power Supply	11.1V Lithium battery, 13.5V / 5A power adaptor
Battery	Typical use 280 cycles (Splice/ Heating: Fast charge 3 hours, Recharge cycles: 500 times, 6800mAh Li-battery)
Power Saving Function	Automatic standby, Automatic shutdown, Manual
Splice Results Storage	100,000 sets of splice record storage
Image Storage	10,000 image storage
Electrode Life	≤6,000 splices
Data interface	USB 2.0, supports splice data export and software upgrades
Operation Environment	Altitude (0-5,000M), relative humidity, 0-95%, Temp -20 - 55°C, Max wind speed 15m/s
Storage Environment	Relative humidity 0-95%, Temp -30 -60°C
Weight	1.43kg (without battery), 1.85kg (with battery)
size	166D x 144W x 158H (mm)
Sleeve dimentiom	2mm, 3mm 4mm, 6mm
Sleeve Length	25mm, 40mm, 45mm 60mm. User programable
Heating Temp	10 - 260°C
Sleeve Auto-Heat	Automatic when heating cover closed
Night Work Lighting	LED Double lights
Removable Battery	Yes
Tension Test	>2N
One-touch ARC Correction	Yes
Battery Safety Protection	Yes
GPS Location Function	Optional
Password Control Function	Optional