

Fusion Splicer Kit

NT-T8-EL / NT-T8PLUS-EL

T8 - 4 Motor / T8PLUS - 6 Motor, Fully Automatic, Fast-splicing Fusion Splicer



Features:

- 7/9 second fully automatic fast splicing
- Dust-proof
- Water-proof
- High altitude
- 5-inch TFT LCD screen display
- Newest Linux OS - Faster operation, more stable splicing and less loss
- Portable and convenient



NT-T8-EL, NT-T8PLUS-EL Kit Includes:

- NT-T8 / T8PLUS-EL Fusion Splicer
- High precision cleaver
- AC power cord and Adapter
- Spare electrodes
- 3-hole fiber stripper
- Cleaning and maintenance tools
- Battery
- Alcohol bottle
- Carrying case
- Dust-blowing ball
- Cooling tray
- Multi-function fiber holder
- Instruction manual

Description:

The premium quality Multicom NT-T8-EL and NT-T8PLUS-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 the NT-T8PLUS-EL 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.

| Model | NT-T8-EL | NT-T8PLUS-EL |
|-----------------------------|--|--|
| Number of motors | 4 | 6 |
| Average Splicing Loss | 0.02dB (SM),0.01dB (MM), 0.04dB (DS),0.04dB (NZDS) | 0.02dB (SM),0.01dB (MM), 0.04dB (DS), 0.04dB (NZDS) |
| Fusion Splice Duration Time | 7 seconds (typical parameter) 6 seconds (fast mode) | 9 seconds (typical parameter) 7 seconds (fast mode) |
| Battery | 400 splices | 260 splices |
| Weight | 1.83kg (without battery) 2.35kg (with battery) | 1.84kg (without battery) 2.38kg (with battery) |

Fusion Splicer Kit

NT-T8-EL / NT-T8PLUS-EL

T8 - 4 Motor / T8PLUS - 6 Motor, Fully Automatic, Fast-splicing Fusion Splicer



| Parameter | Specification |
|-----------------------------------|---|
| Applicable Optical Fiber Types | SM (.652/G.657). MM (G.651). DS (G653). NZDS (G.655). Bi.I. UBL EDF-1 G657B3-I. |
| Applicable fiber core number | Single Core - Can identify optical fiber |
| Alignment | Core Alignment, Cladding Alignment, Manual |
| Applicable Fiber diameter | Cladding diameter 80-150 μ m, coating diameter 100-1000 μ m |
| Splice Mode | Arc splicing |
| Splice Function | Step by step (semi-automatic and manual), automatic splicing |
| 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 |
| Sleeve dimension | 2mm, 3mm 4mm, 6mm |
| Sleeve Length | 25mm (FP-03), 40mm, 45mm 60mm, user programmable |
| Heating Time / Temp | 8 seconds / 10 - 260°C |
| Sleeve Auto-Heat | Automatic when heating cover closed |
| Screen | 5" color TFT LCD, support for alternative languages |
| Human Interface mode | Button / Touch operation |
| Optical Fiber Magnification Times | X/Y 220 times, X or Y 320 times, double-clicked to magnify 1,100 times |
| OS System | Linux OS |
| Power Supply | 11.IV Lithium battery, 13.SV / 5A power adaptor |
| Battery | Typical use 300 cycles (Splice/ Heating: Fast charge 3 hours, 7,800mAh 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 | \geq 5,000 splices |
| Data interface | USB 2.0 support splice data export and software upgrades. |
| Operation Environment | Altitude (0-5000M), 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), 1.85 kg (with battery). |
| Dimensions | 200L x 144W x 128H mm |
| Night Work Lighting | LED Double lights |
| Removable Battery | Yes |
| Tension Test | >2.25N |
| One-touch ARC Correction | Yes |
| Battery Safety Protection | Yes |
| GPS Location Function | Optional |
| Password Control Function | Optional |