Fusion Splicer Kit

NT-A3-EL / NT-A3PLUS-EL
A3 - 4 Motor / A3PLUS - 6 Motor, Fully Automatic, Fast-splicing Fusion Splicer

Features:

- 9/13 second fully automatic fast splicing
- Dust-proof
- Water-proof
- High altitude
- 5-inch touch screen display
- Newest Linux OS - Faster operation, more stable splicing and less loss
- Portable and convenient
- Detachable large capacity lithium battery

NT-A3-EL, NT-A3PLUS-EL Kit Includes:

- NT-A3 / A3PLUS-EL Fusion Splicer
- High precision cleaver
- AC power cord and Adapter
- Spare electrodes
- 3-hole fiber stripper
- Cleaning and maintenance tools
- Alcohol bottle
- Carrying case
- Dust-blowing ball
- Cooling tray
- Multi-function fiber holder
- Instruction manual

Description:

The premium quality Multicom NT-A3-EL and NT-A3PLUS-EL Core alignment, Clading 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-A3PLUS-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-A3-EL	NT-A3PLUS-EL
Number of motors	4	6
Average Splicing Loss	0.02dB (SM), 0.0ldB (MM), 0.05dB (DS), 0.05dB (NZDS)	0.02dB (SM), 0.01dB (MM), 0.04dB (DS), 0.04dB (NZDS)
Fusion Splice Duration Time	9 seconds (typical parameter) 7 seconds (fast mode)	13 seconds (typical parameter) 9 seconds (fast mode)
Weight	1.51kg (without battery) 1.91kg (with battery)	1.54kg (without battery) 1.94kg (with battery)

NANDA TECHNOLOGIES

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Parameter	Specification
Applicable Optical Fiber Types	SM (single mode), MM (multimode), OS (dispersion shifted), NZOS (non-zero dispersion shifted), UI (bend insensitive), BUI (ultra bend insensitive), EDF (erbium-doped fiber)
Applicable fiber core number	Single Core
Alignment Mode	Core alignment, Cladding alignment, Fine alignment
Applicable Fiber Diameter	Cladding diameter 80 - 150μm, coating diameter 100 - 1000μm
Splice Mode	Pre-stored 8 sets, user-defined 792 sets
Sleeve Diameter	2mm, 3mm, 4mm, 6mm
Sleeve Length	60mm, 50mm, 45mm, 40mm, 25mm (FP-03)
Heating Time - Fusion Adjustment Sleeve	2mm: adjustable from 10 -15 seconds, 4mm: adjustable from 15-20 seconds, 6mm: adjustable from 15 -20seconds
Startup Time	3 seconds
Echo loss	>60dB
Splicing Loss Evaluation	Exist
Tension Test	>2N
Screen	5" color LCD, and supports multiple languages
Optical Fiber Magnification Times	X/Y: 200 times, X or Y: 400 times
OS System	Linux OS
Power Supply	Detachable 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	10,000 sets of splice record storage
Electrode Life	≥5000
Data interface	USB 2.0, supports splice data export and software upgrades
Operation Environment	Altitude: 0-5,000M, relative humity, 0-95%, Temp -20 - 55°C, Max wind speed 15m/s
Storage Environment	Relative humidly 0-95% (no condensation), Temp -30 -60°C
Dimensions	166D x 144W x 158H (mm)
Heating Temp	10 - 260°C
Sleeve Auto-Heat	Automatic when heating cover closed
Night Work Lighting	LED Double lights