

FST-16S



FTTx Active Cladding Alignment Fusion Splicer

Industrial quad core CPU, high quality and low loss

5" high resolution color LCD touch screen, 400X magnification, visible clearly with bare eyes

Packed with detachable 5200mAh battery, more than 250 times of splicing and heating

3 high-power white LEDs and illuminated keypads simplifies your work at night

German CNC technique and integrated fiber-adjust frame, which make performance much stable

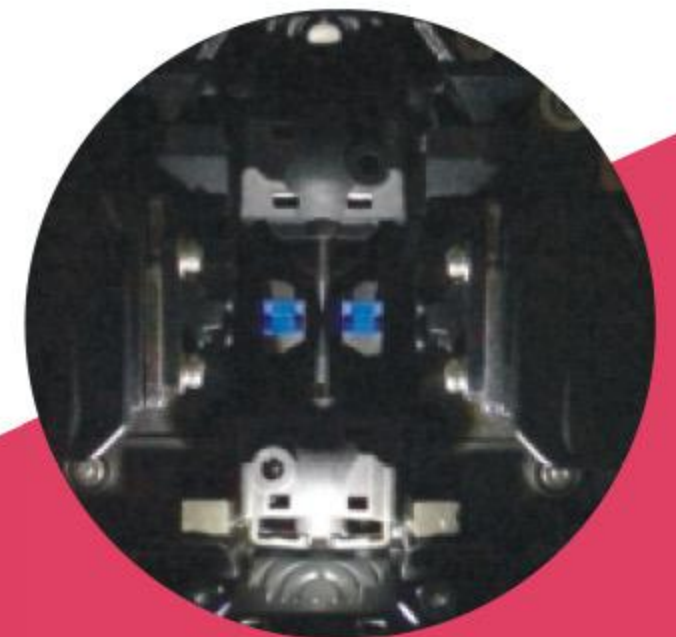
Detachable multifunction fixture, suitable for various fiber type

Dust-proof, water-proof, high-temperature resistance, adapting to various altitude and harsh environment

Built -in Japanese components and Korean chipset



Integrated fiber-adjust frame



3 High-power white LEDs



Detachable multifunction fixture



FUNCTIONAL EFFICIENT STABLE INTELLIGENT

Priority model for FTTx

Splicer Master **FST-16S**

Active Cladding Fusion Splicer

Combining domestic with foreign technologies, Tumtec has been dedicated to providing professional optical fiber solution and become the renowned fusion splicer & fiber cleaver manufacturer for 20 years.



Standard Accessories

Fusion splicer FST-16S*1
Fiber cleaver*1
Battery*1
Power adapter*1
AC power line*1
Back-up electrode*1
Cooling tray*1
Carrying case*1
Carrying strap*1
User manual*1
Splicing test report*1
Fiber stripper*1
Drop cable stripper*1
Alcohol bottle*1

Equipment Parameters

Model	FST-16S
Dimension	130 W*160L*145H (excluding rubber bumper) / 140W*165L*145H (including rubber bumper)
Weight	2204G (with battery) / 1824G (without battery)
Number of Fiber	Single
Applicable Fibers	SM(ITU-T G.652& G.657)/MM(ITU-T G.651)/DS(ITU-T G.653)/NZDS(ITU-T G.655)
Compatible Fiber/Cable	0.25 - 3.0mm/Indoor Cable
Cleaved Length	Diameter: 0.125 - 1 mm/Cleave Length: 8-16mm
Cladding Diameter	80 - 150 μ m
Splicing Mode	Pre-set 41 splicing modes, max 100 modes
Heating Mode	Pre-set 5 heating modes (20/30/40/50/60mm), max 100 modes
Typical Splice Loss	SM: 0.03dB / MM: 0.02dB/ DS: 0.05dB / NZDS: 0.05 dB/ G.657: 0.03dB (ITU-T Standard)
Return Loss	\geq 60dB
Lighting	3 White LEDs
Splicing Time	Quick mode: 6s
Estimated Splice Loss	Available
Heating Sleeve Length	20 - 60 mm
Heating Time	Quick heating time: 13s, typical heating time: 30s
Results Storage	20000 latest records & 200 images
Tension Test	1.96 - 2.25N
Operating Condition	Operating Altitude: 0 - 5000m above sea level, 0 - 95% relative humidity, - 10 ~ 50 $^{\circ}$ C, Max Wind 15m/s
Storage Condition	0 ~ 95% relative humidity, -40 ~ 80 $^{\circ}$ C
Display	90 $^{\circ}$ bi-directional view, 5.0" Color High Resolution Display
Fiber View & Magnification	X, Y, XY, X/Y: 400X Magnification
Power Supply	AC Input 100 - 240V, DC Input 12 - 15V
No. of Splice/Heating with Battery	5200mAh Battery Capacity, Typical 250 times (Splice + Heat)
Operating Methods	Button/Touch Screen
Automatic Calibration	Automatic arc calibration by air pressure and temperature
Electrode Life	5000 arcs
Terminal	Mini USB 2.0

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