

FST-18S



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

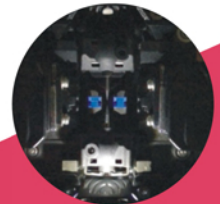
Detachable multifunction fixture, suitable for various fiber type

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

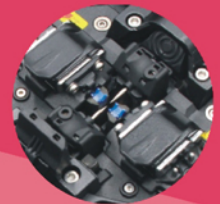
Built -in Japanese components and Korean chipset



Integrated fiber-adjust frame



3 High-power white LEDs



Detachable multifunction fixture



FUNCTIONAL EFFICIENT STABLE INTELLIGENT

Priority model for FTTx

Splicer Master **FST-18S**

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 15 years.



Standard Accessories

| |
|--------------------------|
| Fusion splicer FST-18S*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-18S |
| Dimension | 130 W*160L*145H (excluding rubber bumper) / 140W*165L*145H (including rubber bumper) |
| Weight | 2204KG (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 μm |
| 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 | ≥ 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 °C, Max Wind 15m/s |
| Storage Condition | 0 ~ 95% relative humidity, -40 ~ 80°C |
| Display | 90° 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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