

## Intelligent Optical Fiber Fusion Splicer



✓ 2 axes

✓ Easy setup handling via mobile app

✓ Short set-up time

✓ Handy and robust box incl. chair

### Abstract

FO fusion splicer, 2 axes, with tool box incl. chair

### Features

- Core/cladding alignment; manual alignment
- 15 seconds heating time (automatic pre-heating) and 6 seconds splicing time
- Six motors auto focus
- Applicable fibers: SM (G.652 & G.657), MM (G.651), DS (G.657), NZDS (G.655)
- Splice loss: 0.025 dB (SM), 0.01 dB (MM), 0.04 dB (DS/NZDS) (typical)
- Real-time control and calibration of fusion ARC
- Return loss better than 60 dB
- Fiber diameter: 80 - 150  $\mu\text{m}$  (cladding), 100 - 1000  $\mu\text{m}$  (coating)
- Fiber cleave length: 8 - 16 mm (coating less than 250  $\mu\text{m}$ ), 16 mm (coating less than 250 - 1000  $\mu\text{m}$ )
- Built-in LED lighting for operation in dark environment
- Tension test: Standard 2N
- 3 in 1 fiber holder, SM, MM, bare fiber, pigtail, rubber-insulated, multi fiber cable
- Magnification: 300 x for X or Y view
- 5 inch TFT color display
- Normal/high precision fusion splicing mode
- Splicing record storage via unlimited cloud storage (synchronize to the mobile phone)
- 7800 mA high-capacity lithium battery (device with button for easy battery popup), charging time  $\leq 3.5$  hours, continuous splicing and heating about 200 times
- Power supply: Input AC 100 - 240 V 50/60 Hz, output DC 13.5 V / 4A, the current power mode can be identified, real-time detection of battery power
- Operating conditions: Temperature  $-15 \sim +50$   $^{\circ}\text{C}$ , humidity  $<95\%$  RH (no condensation), working altitude:  $0 \sim 5000$  m, resist max. wind speed:  $\leq 15$  m/s
- Shrinkable tube: 60 mm, 40 mm
- Box dimensions (H x W x D): 293 x 237 x 270 mm
- Product dimensions (H x W x D): 130 x 122 x 180 mm

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## Product Overview

The S2T-A18 uses the latest core alignment technology with auto focus and six motors. It is fully qualified for FTTH projects, security monitoring and other fiber cable splicing projects. The machine uses an industrial quad-core CPU with fast response. With a 5-inch 800 x 480 high-resolution screen, the operation is simple and intuitively; and with up to 300 times focus magnifications it is very easy to observe the fiber with bare eyes. With 6 seconds speed core alignment splicing and 15 seconds heating, the working efficiency is increased by 50% compared to ordinary splicing machines. The small toolbox is exquisite, durable and with unique bench design. The design of the operating platform reflects the humanistic care. A unique lighting design makes it convenient for night construction. Screen brightness is adjustable and it is convenient for outdoor sunshine environment operations. With the combination of advanced technology and design, the new generation of optical fiber fusion splicer will bring you a reliable and comfortable user experience.

## Product Images



## Product Number Information

S2T-A18      FO fusion splicer, 6 sec splicing, 15 sec heating, with tool box incl. chair