

# SFS-2000H Optical Fiber Fusion Splicer

Core-to-core / Touch Screen / 7" Fast Splicing / 14" Fast Heating / Water & Dust Resistant

## Key Features

- Core to core alignment
- 7s fast splicing, 14s highly efficient heating
- At least 300 counts of splicing and heating cycles
- Dust-resistant, water-resistant, shock-resistant
- USB and SD card interface, auto update of U disk
- Ceramic presser foot, ceramic V-groove, all-in-one fixture
- Dual-directional fusing, auto fusing, intelligent heat shrink
- 300 groups of splice modes, 100 groups of heating modes
- 10000 groups and 100 images of fusion records storage
- 320/200 times image magnification, 5mm fusing for ultra-short cleave length
- GUI (graphical user interface) and touch screen, convenient for operation

## Typical Applications

- FTTx
- Metro
- Data center
- Optical assembly
- Fiber optic components



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## Features To Boost Your Efficiency

- ◆ Water-resistant, dust-resistant, shock-resistant, greater environment adaptability



Shock-resistant



Rain-resistant



Dust-resistant

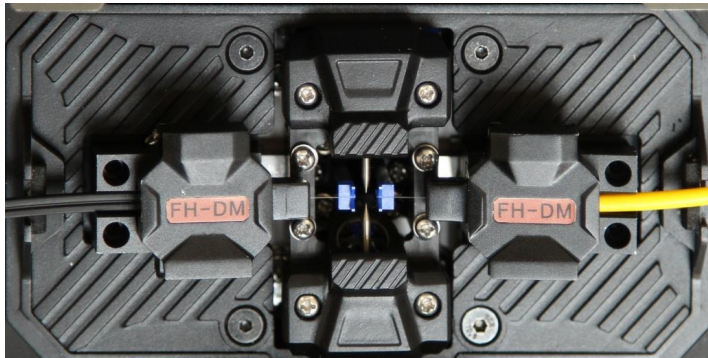


Water-resistant



High-temp-resistant

- ◆ All-in-one fixer (optional splice-on connector for SFS-2000H)



- ◆ Graphical interfaces and touch screen



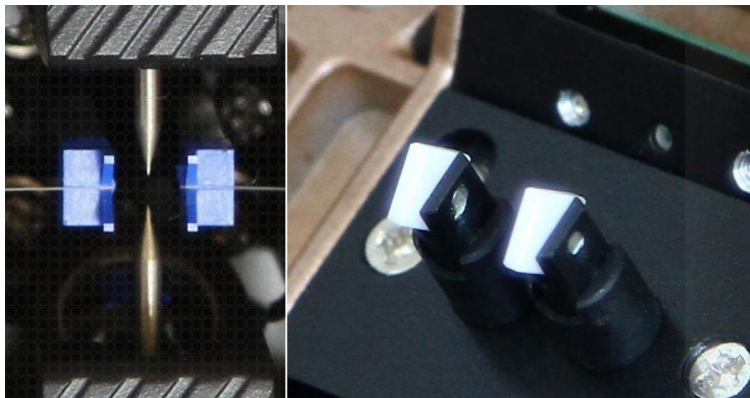
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## ◆ Intelligent heat shrink



## ◆ Ceramic V-groove and ceramic presser foot



## ◆ Multi-functional carrying case (Standard Package)



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## Technical Specifications

| Model   | SFS-2000H   |
|---|---|
| Motor qty.                                    | 6   |
| Alignment method                              | Precise core alignment, manual alignment  |
| Applicable fibers                             | SMF (G.652), BIF(G.657), MMF (G.651), DSF (G.653), NZDSF (G.655)  |
| Typical Splice loss                           | 0.02dB (SMF/BIF), 0.01dB (MMF), 0.04dB (DSF), 0.04dB (NZDSF)  |
| Optical fiber diameter                        | Cladding: 80 - 150μm, coating layer: 0.1 - 3mm  |
| Cleave length                                 | 5 - 16mm (coated optical fiber diameter ≤250μm)<br>10mm (coated optical fiber diameter: 0.25 - 3mm)                               |
| Return loss                                   | Better than 60dB  |
| Attenuation value accuracy                    | 0.01dB  |
| Splicing/Heating Programe                     | 300/100   |
| Splicing time (typical)                       | 7s (Fast mode)  |
| Heating time (typical)                        | 14s (40mm, 23°C)  |
| Tension                                       | 1.96 - 2.25N  |
| Protection sleeve                             | 60mm, 40mm and a series of protection sleeves   |
| Graphical display                             | High-performance 4.3 inch LCD   |
| Magnification time                            | 320 times / 200 times, 700 times  |
| Fusion records                                | 10000 groups / 100 images   |
| Max. power consumption                        | 55W   |
| Battery capacity                              | 11.1V, 6800mAh  |
| Battery operation time                        | Min. 4 hours, battery indicator in display  |
| Battery service life                          | Cycle charging: 300 - 500 counts, can be replaced by customers  |
| Electrode service life                        | Typical: 4000 counts, can be replaced by customers  |
| Construction lighting                         | Built-in lights with high-brightness and wide lighting area   |
| No. of splice/heating per battery full charge | 300 cycles  |
| Resistance features                           | Shock: 60cm all surface drop, Rain: H=3mm/min for 10min, IPX2<br>Dust: Exposure to dust (0.1 to 500μm dia Alumina Silicate), IP5X |

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## General Information

|                             |  |
|-----------------------------|--|
| <b>Model</b>                | <b>SFS-2000H</b>   |
| <b>Working environment</b>  | Altitude: 0 to 6000m above sea level<br>Humidity: 0 to 95%RH, non-dew<br>Temperature: -10 to 50°C<br>Wind: 15m/sec*4 |
| <b>Operation interfaces</b> | GUI (graphical user interfaces)  |
| <b>External power</b>       | AC: 100 - 240V, 60Hz, 0 - 1.5A<br>DC: 10 - 15V   |
| <b>Port</b>                 | USB / SD   |
| <b>Dimensions</b>           | 120mm ×130mm×154mm (WxHxD)<br>(without rubber anti-vibration pad)  |
| <b>Weight</b>               | 1.8kg (without battery), 2.1kg (with battery)  |

## Standard Package

| No. | Description                    | Qty.   |
|-----|--------------------------------|--------|
| 1   | Fusion splicer                 | 1 PC   |
| 2   | S33012 fiber cleaver           | 1 PC   |
| 3   | AC adapter                     | 1 PC   |
| 4   | AC power cord                  | 1 PC   |
| 5   | Fiber stripper                 | 1 PC   |
| 6   | Cable stripper                 | 1 PC   |
| 7   | Spare electrode                | 1 PAIR |
| 8   | Cooling tray                   | 1 PC   |
| 9   | Cleanup tools                  | 1 SET  |
| 10  | Multi-functional carrying case | 1 PC   |
| 11  | Certificate of quality         | 1 PC   |
| 12  | User manual                    | 1 PC   |

*Note: Information will conduct the necessary updates, the contents of this document are subject to change without notice.*

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