

# BD-03SC 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

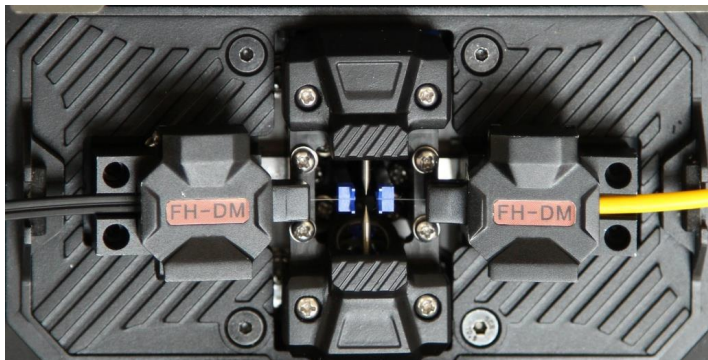


Water-resistant



High-temp-resistant

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



- ◆ Graphical interfaces and touch screen



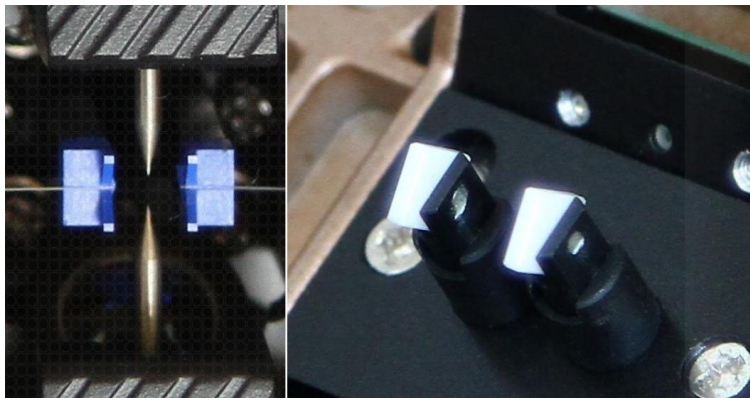
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- ◆ Intelligent heat shrink



- ◆ Ceramic V-groove and ceramic presser foot



- ◆ Multi-functional carrying case (Standard Package)



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## Technical Specifications

<b>Model</b>	<b>BD-03SC</b>
<b>Motor qty.</b>	6
<b>Alignment method</b>	Precise core alignment, cladding alignment, manual alignment
<b>Applicable fibers</b>	SMF (G.652), BIF(G.657), MMF (G.651), DSF (G.653), NZDSF (G.655)
<b>Typical Splice loss</b>	0.02dB (SMF/BIF), 0.01dB (MMF), 0.04dB (DSF), 0.04dB (NZDSF)
<b>Optical fiber diameter</b>	Cladding: 80 - 150µm, coating layer: 0.1 - 3mm
<b>Cleave length</b>	5 - 16mm (coated optical fiber diameter ≤250µm) 10mm (coated optical fiber diameter: 0.25 - 3mm)
<b>Return loss</b>	Better than 60dB
<b>Attenuation value accuracy</b>	0.01dB
<b>Splicing/Heating Programe</b>	300/100
<b>Splicing time (typical)</b>	7s (Fast mode)
<b>Heating time (typical)</b>	14s (40mm, 23°C)
<b>Tension</b>	1.96 - 2.25N
<b>Protection sleeve</b>	60mm, 40mm and a series of protection sleeves
<b>Graphical display</b>	High-performance 4.3 inch LCD
<b>Magnification time</b>	320 times / 200 times, 700 times
<b>Fusion records</b>	10000 groups / 100 images
<b>Max. power consumption</b>	55W
<b>Battery capacity</b>	11.1V, 6800mAh
<b>Battery operation time</b>	Min. 4 hours, battery indicator in display
<b>Battery service life</b>	Cycle charging: 300 - 500 counts, can be replaced by customers
<b>Electrode service life</b>	Typical: 4000 counts, can be replaced by customers
<b>Construction lighting</b>	Built-in lights with high-brightness and wide lighting area
<b>No. of splice/heating per battery full charge</b>	300 cycles
<b>Resistance features</b>	Shock: 60cm all surface drop, Rain: H=3mm/min for 10min, IPX2 Dust: Exposure to dust (0.1 to 500µm dia Alumina Silicate), IP5X

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## General Information

<b>Model</b>	<b>BD-03SC</b>
<b>Working environment</b>	Altitude: 0 to 6000m above sea level Humidity: 0 to 95%RH, non-dew Temperature: -10 to 50°C Wind: 15m/sec*4
<b>Operation interfaces</b>	GUI (graphical user interfaces)
<b>External power</b>	AC: 100 - 240V, 60Hz, 0 - 1.5A DC: 10 - 15V
<b>Port</b>	USB / SD
<b>Dimensions</b>	120mm ×130mm×154mm (WxHxD) (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.*