

# S-175

## Version 2000 Single Fiber Fusion Splicer

The S175 V2000 combines the speed and precision of Furukawa engineering with easy-to-use, operator-friendly functionality. The splicer automatically analyzes the fiber type and chooses the correct program. After splicing, detailed data about the splice is available in two presses of the keypad and can be downloaded or printed with ease. The S175 Version 2000 also provides remote PC operation and specific software (optional).



### THE MILLENNIUM'S FASTEST CORE ALIGNING SPLICER

#### KEY FEATURES

- 17-second splice time single mode, 90 second protection
- Remote PC operation with software package (optional)
  - Fully automatic core-to-core alignment
  - Automated splice program selection
- Simultaneous viewing of X and Y axis with automatic magnification control
- Advanced arc power control with environmental sensing at splice point
- Diecast metal top including internal AC power unit and integrated color monitor
- Windshield-integrated Fiber Clamp. Just load fiber, close windshield and start

#### STANDARD PACKAGE

Description	Quantity
Main Body	1
Top Cover	1
Worktable	1
AC Power Cord (2.5 m)	1
Spare Electrodes	1 pair
Spare Fuse	1
Carrying Case	1
DC Connector	1

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### SPECIFICATIONS

#### ● **Applicable Optical Fiber**

- Silica glass-based optical fibers SM/MM/DSF/EDF/TrueWave®/LEAF®
- Coating/Clad Dia.: 0.25-0.9mm
- Cleave Length: Standard 16mm or 10mm only for 0.25 mm coating diameter and 16 mm for 0.9 mm coating; Optional 10 mm for 0.25-0.9 mm coating
- Applicable sleeves: 40 or 60mm

#### ● **Splice Performance**

- Average loss: SM: 0.02 dB; MM: 0.01 dB; DS: 0.04 dB (with identical Furukawa fibers)
- Reflection: -60 dB or lower
- Operating time: Splice: 17s (typically at high speed mode)
- Heat: 90 s
- Tension test: 200 g (0.4 lbs)

#### ● **Equipment**

- Built-in cooling fan
- LCD: 5" color with anti-reflection coating • Video: NTSC (PIN connector)
- Data: RS232C (D-sub 9 Pins male) • Memoria: 400 splices
- Sensor: air pressure, temperature, humidity • Lamp: V-Groove illumination

#### ● **Operating Environments**

- Temperature: -10 to 50°C (14 to 122°F) • Storage: -40° to 60°C (-40° to 140°F)

#### ● **Function**

- Auto sleep mode • Remote Control from PC • Attenuation splicing: Optional 0 to 10 dB by 0.1 dB
- 32 splice program with one auto splice mode – 9 pre-programmed; 28 customizable
- Inspection: Cleave angle, fiber end gap, core eccentricity, offset, tilt, micro bending, bubble at spliced point
- Display information: operating message; arc counter, clock, heater status, estimation loss, finder image X- and Y-views • Message: A capacity to store 9 languages. Contact your dealer for details

#### ● **Size/Weight**

- Size/weight – 181W x 285D x 181H mm / 6.3 kg • 7.1 "W x 11.2" D x 7.1 "H/13.9 lbs.

#### ● **Power**

- AC 100/120, 200/240 V 50/60 Hz DC 10-16.5V with LED indicator
- Power consumption: Max. 70 W, typical 27 W, sleep 20 W

#### ● **Optional Accessories**

- Stripper (0,25/0.9 mm coating strip) - S210
- Cleaver (16 mm cleave) - S323A
- Tool kit - S423X
- Battery - S175X-A04: attachable at the back of S175, 12VDC 5.0AH, including AC adapter and DC power cord, operates 30 fusion splices with heating
- Printer (prints splice data) - S902
- RS232C cord (connect to PC/Printer) - S175X-A02
- DC power cord (with car cigarette adapter) - S175X-A01

The technical information provided in this folder is based on data valid at the time of its printing. Alterations may be made to this promotional material whenever standards or manufacturing processes undergo change.

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#### Distribution

