



Seamless Splicing from Trunk to FTTx

KEY FEATURES:

- Most compact, lightweight core-alignment splicer in the industry!
- New graphical user interface (GUI) to enhance ease-of-use.
- Transreflective LCD allows clear view even in direct sunlight.
- Best-in-industry fiber magnification-680X.
- Built-in battery automatically charges when plugged into AC-even when splicing!
- RoHS and Telcordia (GR-765-CORE) compliant



SPECIFICATIONS:

| | |
|--------------------------------|-------------------------------------------------------------------------|
| Splicing Method | Core-Alignment |
| Applicable Single Fiber | SMF, MMF, DSF, NZDSF, EDF |
| Average Insertion Loss | SMF: 0.02dB, MMF: 0.01dB, DSF: 0.04dB, NZDSF: 0.03dB |
| Splice Time | 9 sec |
| Heat Time | 37 sec (40mm), 51 sec (60mm) |
| Splice/Heat Programs | 150 available / 12available |
| Cleave Length | 5-16mm (250 μ m), 10 or 16mm (900 μ m) |
| Dimension/Weight | 130W×260D×137H mm / 2.20kg (4.85lbs) [weight including battery] |
| Splice Memory | 2000 splices |
| Operating Environment | 0~4,000m, -10 to +50°C and 90% at 38°C |
| Data Output | USB 1.1 |
| Battery Life | Internal - 70 splice / heat cycles |
| Power | AC Input : 85 to 264V (50/60Hz), DC Input : 11 to 17V, Battery : Li-ion |

Seamless Splicing from Trunk to FTTx

The FITEL S177A ushers in a whole new range of applications for core-alignment splicing : It delivers the same precision, accuracy, and automated functionality of a conventional core-alignment unit, but with the speed, portability, and convenience of a hand-held splicer. The S177A becomes your versatile best choice for FTTx, LAN, backbone, or long-haul installations.



Compact, Lightweight Body

At nearly half the weight and size of FITEL's standard core-alignment unit, the S177A weighs only 2.2kgs (4.85 pounds)-making it the first hand-held and most compact, lightweight core-aligning splicer in the industry. The T-shaped body design, measuring just 5 inches across, easily accommodates short fiber lengths. The magnesium alloy canopy and top base provide the rugged strength required for field operations. Highly accurate, it easily handles diverse applications-from trunk splicing to FTTx.



New GUI & LCD Screen

Featuring a new GUI (graphical user interface) and transreflective LCD screen technology, the S177A operation is a snap! Function keys are simple and information displays are crisp and clear even in direct sunlight. The LCD display shows the splicing process with simultaneous X and Y views, Fiber magnification is the highest available in the industry - 608X, and over 200 percent stronger than FITEL's previous model, the S176.



STANDARD PACKAGE:

| P/N | Description |
|---------------|-------------------------|
| S177-X-A-0001 | Splicer Body |
| S177-X-S-0002 | Spare Electrodes |
| S177-X-A-0003 | Carrying Case |
| S943 | Internal Battery |
| S957 | AC Adapter |
| D5111 | Electrode Cleaning Disk |
| S177-X-S-0004 | Manual |

OPTIONAL ACCESSORIES:

| P/N | Description |
|---------------|----------------------------------|
| S177-X-S-0005 | Cooling Tray |
| S177-X-S-0006 | USB Cord |
| S177-X-S-0007 | Fiber Holder Mount |
| S707S-080 | 80µm Fiber Holder |
| S707S-250 | 250µm Fiber Holder |
| S707S-900 | 900µm Fiber Holder |
| S707S-400 | 400µm Fiber Holder |
| S210 | Furukawa Fiber Stripper |
| S211 | Miller Stripper |
| S325A | Hand-Held High Precision Cleaver |

ORDERING NUMBER FORM:

S177A-○

| Fiber Holder Type | Cleave Length |
|---------------------------------------|-------------------------------------------------------------|
| 0: 16mm Tight Holder | 125 / 250µm: 5~16mm; 125 / 900µm: 16mm |
| 1: 10mm Tight Holder | 80 / 150~200µm: 5mm; 125 / 250µm: 5~10mm; 125 / 900µm: 10mm |
| 2: Fiber Holder System SOC Applicable | 80 / 150~200µm: 5mm; 125 / 250~900µm: 10mm |
| 3: Loose-Tube-Holder | 125 / 250µm: 5~10mm |



S177 Large Diameter Fusion Splicer



The FITEL S177LDF large diameter fusion splicer builds upon the robust performance of the proven S177A splicer and expands its capabilities to splice up to 400 μ m cladding fiber. The unique design effectively blends fusion splicing with portability, speed, and the ease of operation of FITEL's S177series machines.

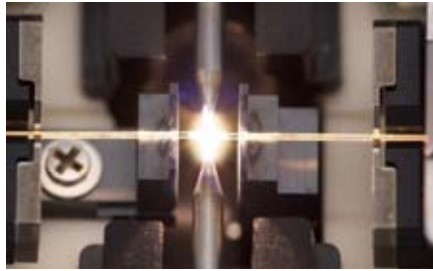


SPECIFICATIONS:

| | |
|---------------------------------|------------------------------------------------------------------------------|
| Splicing Method | Active Clad-Alignment |
| Applicable Optical Fiber | SMF |
| Fiber Cladding Diameter | 125~400 μ m |
| Fiber Coating Diameter | 250~900 μ m |
| Cleave Length | 10mm |
| Splice Loss (Typical) | 0.04dB (Furukawa identical 125 μ m-SMF) |
| Splice Time | 16-second for 125 μ m SM fiber 26-second for 400 μ m LDF |
| Heat Time | 37-second for 40mm protection sleeve 51-second for 60mm protection sleeve |
| Dimensions | 130W×260D×137H mm |
| Weight | 2.0kg |
| AC Power | AC Input : 100 to 250V (50/60Hz) |

KEY FEATURES:

The S177LDF is able to splice from 125 μ m to 400 μ m cladding fiber as well as to splice different diameter fibers for 400 μ m and 125 μ m. These high-end splices are provided with small, light and fast, easy to use and low cost S177 series fusion splicer.



An upgraded high voltage Arc Discharge Unit provides the power necessary for LDF splicing. A wide field of view camera and advanced optical design expands the viewing range of the proven S177A design. These two capabilities allow for automated active LDF alignment while maintaining the precision of conventional 125 μ m splicing.

Like other Furukawa fusion splicers, featuring GUI (graphical user interface), the S177LDF operation is a snap! Function keys are simple and information displays are crisp and clear.



STANDARD PACKAGE:

| P/N | Description | Qty | Note |
|----------------|--------------------------|-------|----------------------------------------------|
| S177L-A-X-0001 | S177LDF Main Body | 1 | |
| S707T-600 | Fiber Holders | 1set | Applicable Coating Diameter: 250~900 μ m |
| S968 | Spare Electrode | 1pair | |
| S177-X-A-0003 | Hard Carrying Case | 1 | |
| S971 | AC Adapter | 1 | |
| D5111 | Electrodes Cleaning Disk | 1 | |
| | Operation Manual | 1 | Manual |

Preparation Tools for Large Diameter Fiber:

The stripping and cleaving of Large Diameter Fiber requires a dedicated fiber stripper and cleaver. Please contact us for more information regarding these tools.