S177A Hand-Held Core-Alignment Fusion Splicer

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: 0.02 dB, MMF: 0.01 dB, DSF: 0.04 dB, NZDSF: 0.03 dB
Splice Time	9 sec
Heat Time	37 sec (40 mm), 51 sec (60 mm)
Splice/Heat Programs	150 available / 12 available
Cleave Lenght	5-16 mm (250 μm), 10 or 16 mm (900 μm)
Dimension/Weight	130 W×260 D×137 H mm / 2.20 kg (4.85 lbs) [weight including battery]
Splice Memory	2000 splices
Operating Enviroment	0~4,000 m, -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 264 V (50/60 Hz), DC Input : 11 to 17 V, Battery : Li-ion

FITEL®
FUSION SPLICERS

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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 covenience of a hand-held splicer. The S177A becomes your versatile best choice for FTTX, LAN, backbone, or long-haul installations.
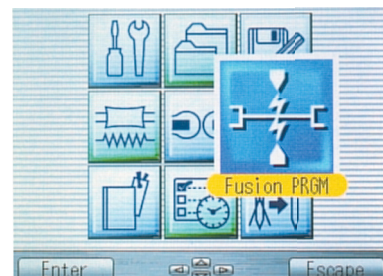
Compact, Lightweight Body

At nearly half the weight and size of FITEL's standard core-alignment unit, the S177A weight only 2.2 kgs (4.85 lbs) – 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 then 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	$80\mu m$ Fiber Holder
S707S-250	$250\mu m$ Fiber Holder
S707S-900	$900\mu m$ Fiber Holder
S707S-400	$400\mu m$ 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 / 250 μm: 5 ~ 16 mm; 125 / 900 μm: 16 mm
1: 10mm Tight Holder	80 / 150 ~ 200 μm: 5 mm; 125 / 250 μm: 5~10 mm; 125 / 900 μm: 10 mm
2: Fiber Holder System SOC Applicable	80 / 150~200 μm: 5 mm; 125 / 250 ~ 900 μm: 10 mm
3: Loose-Tube-Holder	125 / 250 μm: 5 ~ 10 mm