OPTICAL FIBER FUSION SPLICER
ISO 9001 Certified

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 - 608X.

- Built-in battery automatically charges when plugged into AC - even when splicing!

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-seconds
Heat Time	40-second (40mm), 55-second (60mm)
Splice/Heat Programs	150 available / 12 available
Cleave Length	5 - 16mm (250µm), 10 or 16mm (900µm)
Dimension/Weight	130W x 260D x 137H (mm) / 2.20 kg (4.85 lbs) [weight including battery]
Splice Memory	2000 splices
Operating Enviroment	0 - 4,000m, -10 to +50°C and 90% at 38°C
Data Output	USB 1.1
Battery Life	Internal - 70 splice/heat cycles; External (option) - 350 splice/heat cycles
Power	AC Input: 85 to 264VAC (50/60Hz), DC Input: 11 to 17VDC, Battery: Li-ion

FITEL®

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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 weighs only 2.2 kgs (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 then FITEL's previous model, the S176.

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	80/150-200μm: 5mm; 125/250-900μm: 10mm
3 : Loose-Tube Holder	125/250μm: 5-10mm

Standard Package

Model	P/N	Description
S177A	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
S707-080	80μm Fiber Holder
S707-250	250μm Fiber Holder
S707-900	900μm Fiber Holder
S210	Furukawa Fiber Stripper
S211	Miller Stripper
S325A	Hand-Held High Precision CLeaver
S945	Large Capacity External Battery