



SI77A SERIES Hand-Held Core-Alignment Fusion Splicer

The hand-held FITEL S177A incorporates an improved heating design that cuts splice-to-heat time by 40 percent. The unit's T-shaped body design is also 40 percent lighter, weighing only 4.85 pounds including battery. Ideal for fast field use with superb battery life. In addition, fiber magnification power is 608X, marking the industry's most powerful rating for a core alignment splicer.

Key Features

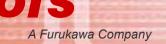
- · Most compact, light-weight core-alignment splicer in the industry
- New graphical user interface (GUI) to enhance ease-of-use
- · Transreflective LCD allows clear view even in direct sunlight
- Best-in-industry fiber magnification 680X
- Built-in battery automatically charges when plugged into AC 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 μ m), 10 or 16 mm (900 μ m)			
Dimension/Weight	130W×260D×137H mm / 2.20 kg (4.85 lbs) [weight including battery]	STANDARD P		
Splice Memory	2000 splices	S177-X-A-0001		
Operating Enviroment	$0 \sim 4{,}000$ m, $$ -10 to $+50^\circ$ C and 90% at 38° C	S177-X-S-0002		
Data Output	USB 1.1 S177-X-A-0003			
Battery Life	Internal - 70 splice / heat cycles	S943		
Power	AC Input : 85 to 264 V (50 / 60 Hz), DC Input : 11 to 17 V, Battery : Li-ion	S957		
		DE111		





_	STANDARD PAG		
	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	



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 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 pounds) – making it the

first hand-held and most compact, lightweight core-aligning splicer in the industry. The T-shaped body desigh, 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 applicationsfrom 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.

OPTIONAL ACCESSORIES:

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

ORDERING NUMBER FORM:

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

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