

Furukawa FITELE S 178A Hand-Held Core-Alignment Fusion Splicer

FITELE NEW Fusion Splicer S 178A

The FITELE S 178A Hand-Held Core-Alignment Fusion Splicer is the latest, state-of-the-art addition to the S17x series of splicers. By combining speed, precision, durability and portability in one unit, the S 178A Fusion Splicer ushers in an entirely new range of applications for core alignment splicing.

Equipped with a new alignment system that can save up to 20% splicing time, the S 178A Splicer's improved heating mechanism can also reduce protection sleeve shrink time by more than 30%.

In addition, a newly incorporated USB 2.0 interface speeds PC communication and image/video transfer, while enhancing reliability.

Hand-Held Core-Alignment Fusion Splicer

Although the S 178A Fusion Splicer is significantly smaller and lighter in weight than previous models, its canopy design, durable metal body frame and rubber protection corners provide robust protection, enabling use in demanding environments without compromising splicing performance. Along with its rugged durability, the splicer also offers convenience. A new battery system allows up to 200 splicing cycles (Splicing/heating) before additional batteries are needed, and an innovative, mirror-free alignment system makes maintenance work a snap.

Key features

- Rugged and compact handheld design endure harsh environmental conditions
- Fast splice (7 sec) at super low loss and Fast Heating (25 sec)
- 200 cycles (Splicing & Heating) with new battery configuration
- Available for All METRO/LAN/FTTx fibers including ultra bend-insensitive fibers (e.g. EZ-Bend™)
- Splicer is compatible with the Seikoh Giken and Diamond Spliceon- connector (SOC)
- Easy maintenance - Easy electrode replacement /mirror free alignment System
- Easy Software upgrade via the internet
- Easily exchanged fiber holder systems (tight holder/fiber holder/SOC holder)
- PC interface software to allow user manage splicing recipes and splicing results
- Auto-start shrink sleeve oven feature

- Improved GUI to further enhance ease-of-use
- Large memory for storing data (2,000 splice data) and image (100 images)
- RoHS compliant

Specifications	
Applicable Fibers	SM, MM, DSF, NZD, EDF, BIF/UBIF (Bend insensitive fiber)
Cladding Diameter	80~150 μm
Coating Diameter	160~900 μm
Fibers Cleave Length	5~ 16 mm
Average Splice Loss	SM: 0.02 dB, MM: 0.01 dB, DSF: 0.04 dB, NZD: 0.04 dB
Splice Time	7 seconds (semi-auto mode)
	9 seconds (regular mode)
Heat Time	25 seconds (40mm Sleeve, 60mm Sleeve) (Pre-heat mode)
	31 seconds (40mm Sleeve, 60mm Sleeve) (regular mode)
Splice Programs	Max. 150
Automatic Splicing Selection	SM: SM, DSF, NZD, BIF/UBIF, MM: MM
Heat Programs	Max. 18
Automatic Heating Start	Available
Applicable Sleeves	20/40/ 60 mm
Fiber Holding	Tight holder (Loose tube applicable) or Fiber Holder System
Tension Test	1.96N
Fiber Image Magnification	304X, 608X
Splice Memory	Max. 2,000
Image capture Capacity	Last 100 images to be automatically captured + Up to 24

	images to be stored permanently
Dimension	127W × 199D × 105H mm (not including shock absorber) 159W × 231D × 130H mm (including shock absorber)
Weight	1.9 kg (without battery) 2.3 kg (with two batteries)
Monitor	3.5" color LCD monitor
Data Output	USB ver.2.0 mini
Diplaying Language	20 languages (e.g. English, Spanish, Japanese, Chinese)
Battery Capacity	Typical 80 splice/heat cycles with single battery Typical 200 splice/heat cycles with 2 batteries
Altitude	5,000 mh
Operating Temperature	-10 to + 50 °C (without excessive humidity)
Storage Temperature	-40 to + 60 °C (without excessive humidity)
Power Source	AC Input 100 to 240 V (50/60 Hz), DC Input 11 to 17 V

Ordering Number Form **S 178A -(X1)-(X2)**

	Category	Code	Remark
X1	Fiber Holder Type	1	16 mm Tight Holder S712T-016
		2	10 mm Tight Holder S712T-010
		3	Fiber Holder System
X2	Number of Battery Pack (S943B)	1	1 pack (with 1 S958B battery charger and 1 S 977A AC adaptor)
		2	2 packs (with 1 S958B battery charger and 1 S 977A AC adaptor)



5 Spare Electrodes



9 Electrode Sharpener



10 Cleaning Brush



