

# S177LDF

## 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 $\mu$ m cladding fiber. The unique design effectively blends fusion splicing with portability, speed, and the ease of operation of FITEL's S177series machines.

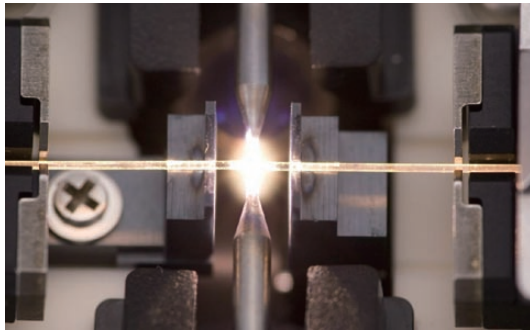
### Specifications

Splicing Method:	Active Clad-Alignment
Applicable Optical Fiber:	Silica glass based Single Fiber
Fiber Cladding Diameter:	125-400( $\mu$ m)
Fiber Coating Diameter:	250-900( $\mu$ m)
Cleave Length:	10(mm)
Splice Loss(Typical):	0.04(dB) (Furukawa identical 125 $\mu$ m-SMF)
Splice Time:	16-second for 125 $\mu$ m SM fiber 26-second for 400 $\mu$ m LDF
Heat Time:	37-second for 40mm protection sleeve 51-second for 60mm protection sleeve
Size:	130W x 260D x 137H(mm)
Weight:	2.0(kg)
AC Power:	100 to 250(VAC), 50/60(Hz)

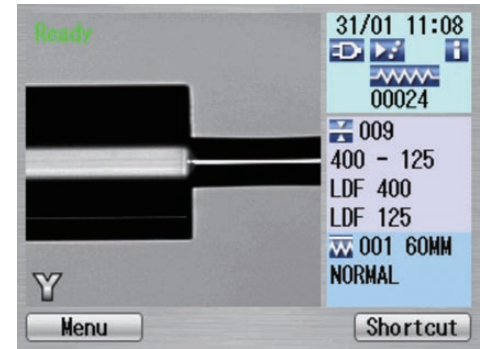
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## Key Features

The S177LDF is able to splice from 125  $\mu\text{m}$  to 400  $\mu\text{m}$  cladding fiber as well as to splice different diameter fibers for 400  $\mu\text{m}$  and 125  $\mu\text{m}$ . 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  $\mu\text{m}$  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

Description	Model Number	Quantity	Remark
S177LDF Main Body	S177L-A-X-0001	One(1)	
Fiber Holders	S707T-600	One(1) set	Applicable Coating Diameter: 250-900( $\mu\text{m}$ )
Spare Electrode	S968	One(1) pair	
Hard Carrying Case	S177-X-A-0003	One(1)	
AC Adapter	S971	One(1)	
Electrodes Cleaning Disk	D5111	One(1)	
Operation Manual		One(1)	English 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.

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