

# From Trunk to FTTX - The Next Generation

## S122 SERIES

Hand-Held Fusion Splicer



**FITEL**®

With its super low profile and new user interface, the Fitel S122 series fusion splicer offers next generation workability for every splicing field, FTTX, LAN, backbone, or long-haul installations. Combining the portability, power flexibility and field ruggedness of FITEl's previous generation of hand-held splicers with the proven quality and performance of our ribbon splicers, the S122 delivers fast and consistent splicing with outstanding mobility and extreme ease-of-use.

## KEY FEATURES:

### Superb Mobility and Workability

Super low profile design, with only 1.85" height at the keypad, the S122 provides a stable working environment both on the work bench and palmtop. Attaching the S122 to the Work Table (optional) enables hands-free operation, as well as easy access to various work fields by folding the splicer upward.

### Rugged Body

The top body and windshield are made of magnesium die-cast. The bottom body is protected with rubber corner pads. With its simple and flat shape, the S122 can survive during harsh conditions.

### New GUI & LCD Screen

Featuring a new GUI (graphical user interface) and transreflective LCD screen technology, the S122 operation is a snap! Function keys are simple and information displays are crisp and clear even in direct sunlight.

### Multi-Window Fiber Display

The LCD display shows the splicing process with simultaneous X and Y camera views, as well as status icons monitoring the machine conditions.

### Fast and Accurate

The fast 14-second splice time and 37-second heat time creates a highly efficient work environment. The S122 observes the fiber from 2 directions just as all high-end splicers, promising high quality splice from trunk to FTTX.

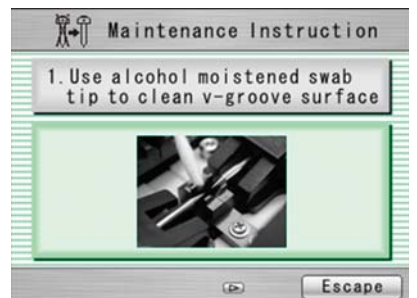
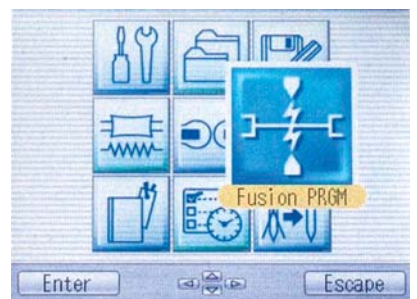
### Enhanced Ease of Use

Memory for fiber image, counters for cleaver and stripper blade replacement and visual maintenance instructions are provided for your ease of use.



## PRODUCT LINE UP:

Model	Application
S122A	Splicing for single fiber using Fiber Holder System
S122M4	Splicing for single fiber to 4-fiber ribbon using Fiber Holder System



P/N	Description	S122A	S122A-KIT-1	S122A-KIT-2	S122M4	S122M4-KIT-1	S122M4-KIT-2
S122-A-A-0001	S122A Splice Body	●	●	●	●	●	●
S122-A-0002	Soft Carrying Case	●	●	●	●	●	●
S122-A-0003	Strap	●	●	●	●	●	●
S122-A-0005	Hard Carrying Case			●		●	
S211B	Fiber Stripper		●	●	●	●	●
S218R	Thermal Fiber Stripper				●	●	
S325A	One-Action Precision Cleaver		●	●	●	●	●
S709A-004	4-Ribbon Fiber Holders (pair)				●	●	●
S709S-250	250µm Fiber Holders (pair)	●	●	●	●	●	●
S709S-900	900µm Fiber Holders (pair)			●			
S943	Li-ion Battery	●	●	●	●	●	●
S943	Extra Li-ion Battery			●		●	
S957	AC Adapter	●	●	●	●	●	●
S958B	Battery Recharger	●	●	●	●	●	●
S959	DC Adapter			●			●
S966	Electrodes (pair)	●	●	●	●	●	●
D5111	Electrode Cleaning Disk	●	●	●	●	●	●
FPF-01	Fiber Preparation Fluid		●	●		●	●
FW-01	Fiber Wipes		●	●		●	●
FTS-B291	Manual	●	●	●	●	●	●

### OPTIONAL ACCESSORIES:

S122-A-0004	Work Table
S709A-002	2-Ribbon Fiber holders (pair)
S945	High Capacity Battery
BTK-01	Buffer Access Tool Kit
CS202	Sheath Stripper
SS-01	Splicer Scissors



**SPECIFICATIONS:**

Item	Specification
Fiber Types	SMF, MMF, DSF, NZDSF
Cladding Diameter	125µm
Coating Diameter	250µm to 900µm for single fiber 300µm to 400µm for ribbon (thickness) [S122M4 only]
Average Splice Loss	SMF: 0.05dB, MMF: 0.03dB DSF: 0.08dB, NZDSF: 0.08dB
Splice Time	14 sec. [S122A], 15 sec. [S122M4]
Heat Time	Single Fiber: 37 sec. (40mm), 51 sec. (60mm) Ribbon Fiber: 45 sec. (40mm)
Tension Test	1.96N
Applicable Sleeve Length	40/60mm
Program Memory	Splice Programs: Max. 150 Heat Programs: Max. 12
Splice Memory	Max. 1,500
Fiber Image Display	Simultaneous two-axis display Normal Magnification 64X [S122A], 40X [S122M4] Zoomed Magnification 128X
Dimensions	140W x 189L x 73H mm
Weight	800g/1.8lb. (body), 170g/0.4lb. (battery)
AC Input	100 to 240VAC
DC Input	S943 Li-ion battery (11.1V, 2300mAh)
Battery Capacity	90 splices or 40 splices with heat shrink protection
Operating Temp.	-10C° to +50C°
Storage Temp.	-40C° to +60C°


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