

## S122 SERIES Hand-Held Fusion Splicer



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 4.7cm 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 13-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.
- **Real Time Arc Control** – Patented process which increases consistency and reduces splice loss. Also, virtually eliminates the need for traditional arc checks by actively calibrating the arc during each splicing cycle.
- **Fiber Clamp Vibration System (S122M8 and S122M12 only)** – New fiber clamp vibration system allows for easy fiber placement. System



inspects axis offset before each splice and makes necessary adjustment for ideal splicing.

- **Automatic Fiber Count Identification** – Unit automatically identifies fiber ribbon count and selects the proper program for splicing. There is no need to manually change the program when operators want to splice different fiber counts.
- **RoHS and Telcordia (GR-765-CORE for S122A / C, GR-1095-CORE for S122M4 / M8 / M12) Compliant**



## PRODUCT LINE UP:

Model	Application
S122A	Splicing for single fiber using Fiber Holder System
S122C	Splicing for single fiber using Fiber Holder System / short cleave length / SOC
S122M4	Splicing for single fiber to 4-fiber ribbon using Fiber Holder System
S122M8	Splicing for single fiber to 8-fiber ribbon using Fiber Holder System
S122M12	Splicing for single fiber to 12-fiber ribbon using Fiber Holder System

## SPECIFICATIONS:

<b>Fiber Types</b>	SMF, MMF, DSF, NZDSF
<b>Cladding Diameter</b>	125 $\mu$ m
<b>Coating Diameter</b>	250 $\mu$ m to 900 $\mu$ m for single fiber 280 $\mu$ m to 400 $\mu$ m for ribbon (thickness) [S122M4. S122M8. S122M12]
<b>Average Splice Loss</b>	SMF: 0.05dB, MMF: 0.03dB, DSF: 0.08dB, NZDSF: 0.08dB
<b>Splice Time</b>	13 sec. (S122A. S122C), 15 sec. (S122M4. S122M8. S122M12)
<b>Heat Time</b>	Single Fiber: 37 sec. (40mm), 51 sec. (60mm), Ribbon Fiber: 45 sec. (40mm)
<b>Tension Test</b>	1.96N
<b>Applicable Sleeve Length</b>	40/60mm
<b>Program Memory</b>	Splice Programs: Max. 150, Heat Programs: Max. 12
<b>Splice Memory</b>	Max. 1,500 (S122A. S122C. S122M4), Max. 1,000 (S122M8. S122M12)
<b>Fiber Image Display</b>	Simultaneous two-axis display Magnification 120X (S122A. S122C), 48X (S122M4), 28X (S122M8), 20X (S122M12)
<b>Dimensions</b>	140W × 189L × 73H mm (S122A. S122C. S122M4), 140W × 189L × 86H mm (S122M8. S122M12)
<b>Weight</b>	800g / 1.8lb. (S122A. S122C. S122M4), 960g / 2.1lb. (S122M8. S122M12), 170g / 0.4lb. (battery)
<b>AC Input</b>	100 to 240V AC
<b>DC Input</b>	10.6 ~ 12.6V
<b>Battery Capacity</b>	50 splices with heat shrink protection (S122A. S122C. S122M4) 40 splices with heat shrink protection (S122M8. S122M12)
<b>Operating Temp.</b>	-10° C to + 50° C
<b>Storage Temp.</b>	-40° C to + 60° C





## OPTIONAL ACCESSORIES

P/N	Description
S122-X-A-0002	Soft Carrying Case
S122-X-A-0004	Working Belt
S122-X-A-0005	Hard Carrying Case for A/M4
S122-X-A-0006	Cooling Tray
S122-X-A-0007 (pair)	Fiber Reformer for A/M4
S122-X-A-0008 (pair)	Fiber Reformer for M8/M12
S122-X-A-0009	Hard Carrying Case for M8/M12
S210	Fiber Stripper
S218R	Thermal Fiber Stripper
S325A	One-Action Precision Cleaver
S709S-250 (pair)	250 $\mu$ m Fiber Holder
S709S-500 (pair)	500 $\mu$ m Fiber Holder
S709S-900 (pair)	900 $\mu$ m Fiber Holder
S709A-002 (pair)	2 Fiber Ribbon Fiber Holder
S709A-004 (pair)	4 Fiber Ribbon Fiber Holder
S709A-006 (pair)	6 Fiber Ribbon Fiber Holder
S709A-008 (pair)	8 Fiber Ribbon Fiber Holder
S709A-010 (pair)	10 Fiber Ribbon Fiber Holder
S709A-012 (pair)	12 Fiber Ribbon Fiber Holder
S709T-900 (pair)	Universal Fiber Holder (250-900 $\mu$ m)
S959U (USB Type)	DC Adaptor
S943	Battery
S966 (2pcs)	Electrode for A/C/M4
S967 (2pcs)	Electrode for M8/M12

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