

## Featured FITEL Products

## Everything from Fusion Splicers to Cleaving to Testing & More ....

Optical fiber plays a critical role in today's communication networks – from Telecommunications to CATV to Data. OFS is a major provider of high quality optical fiber and fiber optic products. This includes a complete line of fusion splicers that produce highly accurate, reliable splices with minimal loss. FITEL fusion splicers are designed using state of the art technology, decades of manufacturing experience and feedback from countless customer installations. You will find that FITEL splicers are simple to use yet precise and reliable tools that can support your full range of splicing needs.



### Fusion Splicers

#### S123C Handheld Fusion Splicer Value Kit

P/N: S123C-VK-250

##### Value Kit Contains:

- Splicer main body w/heater & manual
- SCC Soft carrying case
- S211B Fiber optic stripper
- S325A Precision cleaver
- S712S-250 250um Fiber holders
- S943B Battery
- S958B Battery charger
- S977A AC Adapter for battery charger
- S976A AC Adapter for fusion splicer
- S969 Electrodes
- D5111 Electrode cleaning disk
- FPF-01 Fiber prep fluid
- FW-01 Fiber wipes
- VGC-01 V-Groove cleaning brush



#### S153 Active Clad Align Fusion Splicer Kit

P/N S153A-VK-250

##### Value Kit Contains:

- S153A-3-1 Splicer main body
- S712S-250 250  $\mu$ m Fiber holders
- S943B Battery (Qty 1)
- S958B Battery charger
- S976A AC Adaptor for fusion splicer
- S977A AC Adaptor for battery charger
- S325A One-Step high precision cleaver
- S969 Spare electrodes
- HCC-01 Hard carrying case
- VGC-01 V-groove cleaning brush
- D5111 Electrode cleaning disk
- FPF-01 Fiber prep fluid
- FW-01 Fiber wipes
- S211B Fiber stripper



#### S178A Core Align Fusion Splicer Kit

P/N S178A-EX-900

##### Extended Kit Contains:

- S178A-3-1 Splicer main body
- S712S-250 250  $\mu$ m Fiber holders
- S712S-900 900  $\mu$ m Fiber holders
- S943B Battery (Qty 2)
- S958B Battery charger
- S977A AC Adapter for battery charger
- S976A AC Adapter for fusion splicer
- S325A One-Step high precision cleaver
- S969 Spare electrodes
- HCC-01 Hard carrying case
- VGC-01 V-groove cleaning brush
- D5111 Electrode cleaning disk
- FPF-01 Fiber prep fluid
- FW-01 Fiber wipes
- S211B Fiber stripper



## Fusion Splicers (Continued)

### S123M12 Mass Fusion Splicer Kit

P/N: S123M12-KIT

#### Kit Contains:

- S123M12 Splicer Main Body
- HCC Hard Carrying Case
- S218R Thermal Stripper
- S325A Precision Cleaver
- S943B Battery
- S958B Battery charger
- S977A AC Adapter for battery charger
- S976A AC Adapter for fusion splicer
- S969 Electrodes
- S122-X-A-0008 Fiber Reformer (pair)
- S712A-012 12-Fiber ribbon fiber holders (pair)
- D5111 Electrode cleaning disk
- FPF-01 Fiber Prep Fluid
- FW-01 Fiber Wipes
- VGC-01 V-Groove cleaning brush



## Cleaving and Stripping

### S325A Hand-Held High Precision Cleaver

P/N S325A

- One-Step action
- cleave virtually anywhere! - In your palm or on your desktop
- Easy fiber loading
- All fiber types, single to 12-fiber ribbons
- Clad Diameter: 0.125 mm
- Coating Diameter: 0.25 mm and 0.9 mm for single fiber; 0.3 mm to 0.4 mm thickness for ribbons
- Cleave Length:  
Single fiber: Fixed length - 10 & 16 mm, Variable length - 3 to 20 mm  
Ribbon Fiber: 10 mm Fixed Length
- Dimensions/Weight: 93 W × 68 D × 52 H mm, / 330 g
- Simple operation
- High capacity fiber waste collection bin
- Durable design
- Easy maintenance on-site



### S315 Single Fiber Cleaver

P/N S315

The FITEL S315 Single Fiber Field Cleaver is designed for cleaving fiber in the field quickly and easily. The S315 Field Cleaver can accommodate 0.25 mm and 0.9 mm coating diameters and its small lightweight size makes it the perfect addition to any field splicing system. The S315 Field Cleaver requires some skill to achieve the desired cleave angle and may not be appropriate for some splicing applications. The S315 Cleaver has a graduated scale, which allows for cleave lengths of 5 to 20 mm.

- Dimensions 20 W × 125 D × 42 H mm
- Weight 65 g



### S218R Thermal Stripper

P/N: S218R

- All fiber types, single to 12-fiber ribbons
- Clad Diameter: 0.125 mm
- Coating Diameter: 0.25 mm to 0.4 mm for single fiber; 0.3 mm to 0.4 mm thickness for ribbons
- Exceptional stripping for single and ribbon fiber
- Simple operation via built-in battery or AC power
- Built-in battery recharger-battery always charging when AC power is connected
- Battery running time approximately 10 hours
- Durable Design
- Easy Maintenance on-Site
- RoHS Compliant



### S220A Optical Ribbon Fiber Separator

P/N: S220A

Designed to initiate separating 2 to 12-fiber ribbons into single fibers. After shaving with S220A Separator, the ribbon fiber can be easily separated by fingers into single fibers.

- Applicable Optical Fiber: 2 to 12 fiber ribbons with the thickness of 0.30 ~ 0.40 mm
- Dimensions: 55 W × 30 D × 42 H mm
- Weight: 100 g

#### Caution:

**Do not use the S220A Separator on live fiber or for a mid-span strip. Discard the section of the fibers to which the S220A Separator was applied before splicing or reconnecting the exposed fibers.**



## S233 Optical Ribbon Fiber Splitter

**P/N:** S233A (Fiber Guide A is included as standard)

**P/N:** S233B (Fiber Guide B is included as standard)

**P/N:** S233C (Fiber Guide C is included as standard)

FITEL S233 Ribbon Splitter splits 4, 8, 12, and 24-fiber ribbons more easily, quickly, and accurately than ever before! Another great FITEL fusion splicing accessory from OFS!



- Applicable Optical Fiber: 125  $\mu$ m cladding diameter; 4/8/12/24-fiber ribbons; 0.25 mm pitch; 0.30 to 0.40 mm thickness; UV-cured acrylic resin coating\*
- Dimensions: 115 W  $\times$  20 D  $\times$  20 H mm
- Weight: 95 g
- Small, simple, and compact design for field use
- All-metal body for maximum durability
- Interchangeable fiber guides for different ribbon sizes
- No tools required to change fiber guides

### Caution:

**Do not use the S233 on live fiber or for a mid-span strip. Discard the section of the fibers to which the S233 was applied before splicing or reconnecting the exposed fibers.**

\* S233 may not work satisfactorily with some ribbon fiber coating materials.

## Protection Sleeves

**P/N** See table below for ordering information

OFS offers a wide variety of protection sleeves to accommodate single and ribbon fiber. FITEL's protection sleeves come in ribbon, standard, slim, mini, and macro sizes. They are composed of an outer an inner sleeve reinforced by an internal member made of stainless steel or ceramics.



Model	Applicable fiber	Length	Strength member material	Pieces/pack
S921	Single fiber, 0.25-0.9 mm coating diameter	60 mm	Stainless steel	50
S922	Single fiber, 0.25-0.9 mm coating diameter	40 mm	Stainless steel	50
S924	Single fiber and up to 8-fiber ribbon	40 mm	Quartz	25
S927A	Single fiber and up to 8-fiber ribbon	40 mm	Ceramic	100
S927B	Single fiber and up to 12-fiber ribbon	40 mm	Ceramic	100
S928A20	Single fiber 0.25-0.4 mm coating diameter	20 mm	Stainless steel	100
S928A25		25 mm	Stainless steel	100
S928A35		35 mm	Stainless steel	100

## Measuring and Testing

### LBT-101 Short Range FTTX Optical Tester (OTDR)

**P/N** LBT-101

- **Ultra Compact and Portable**  
7.5" x 3.75" x 1.75"
- **Live Fiber Testing Capability**  
Uses 1610 nm wavelength; filters other wavelengths
- **Built-In Fiber Spool**  
Measure from the first connector No launch cables to purchase
- **Engineered for the "Last Mile"**  
Extremely simple operation High resolution for close events



## Cleaning and Protecting

### Prep Fluid and Fiber wipes

**P/N** FPF-01 (prep fluid)

**P/N** FW-01 (fiber wipes)





## Measuring and Testing (Continued)

### ID-H Optical Fiber Identifier

P/N ID-H/R

The ID-H/R Fiber Identifier is a lightweight, handheld, easy to use tool to safely and effectively identify the transmission direction and relative core power on live optical fibers.

- No need to change heads  
250  $\mu$ m fiber, 12-fiber ribbon, 1.6 mm to 3 mm cordage
- LCD Screen  
Detection Light Level, Modulation Frequency
- Detect the tone signal and traffic signal
- Detects the signal without disrupting traffic
- Light weight design for easy handling  
Weight: 5.6 ounces
- Super low insertion loss



### ID-L Light Source

P/N ID-L

The ID-L Light Source used in conjunction with the Fiber Identifier offers you all the right tools to make your job easier. This light source is battery powered and includes an auto shut-down function.

- Frequency: CW, 270Hz, 1kHz, 2kHz
- Wavelength: SM/1550 +/- 30nm
- Operates more than 60 hours on battery (without using boost function)
- SC, FC, ST, DIN, and DIA connectors are available
- Removable Adapter for easy cleaning
- Light Weight Design For Easy Handling  
Weight: 5.6 ounces
- Class1 Laser Product



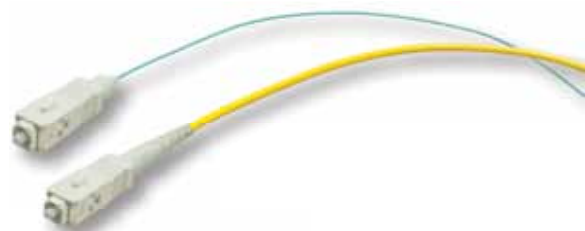
## Splice-On-Connector (SOC) System

- The Splice-on-Connector is a field-installable connector that ...
- ... is **FAST**
  - Termination time is normally less than 3 minutes
- User Friendly Packaging for rapid & repeatable assembly
- ... is **EASY**
  - No polishing or epoxy required
  - Simple process helps to eliminate learning curve
- ... **HAS EXCELLENT QUALITY**
  - We use factory quality standard connector parts and strain relief processes
- **No Index matching gel!!**



### Available Connectors

- Single-mode
  - SC-APC
  - SC-UPC
  - LC-APC
  - LC-UPC
  - ST-APC
  - ST-UPC
  - FC-APC
  - FC-UPC
- Multimode
  - SC - 50/125, 62.5/125
  - LC - 50/125, 62.5/125
  - ST - 50/125, 62.5/125
  - FC - 50/125, 62.5/125



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<http://www.ofsoptics.com>.

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