Ribbon Fiber Fusion Splicer

s124 M12

Up to 12-fiber ribbon splicing
High speed splicing of 15 seconds
Interchangeable V-groove system
200 µm coating fiber ribbon is applicable by changing V-groove

Easy operation with touch panel and GUI
3 LED lights allow convenient loading of fibers in V-groove
Wi-Fi Connection allows wireless control and data management
Specifications

- **Applicable fibers**:
  - MM (ITU-T G.651)
  - DS (ITU-T G.653)
  - NZD (ITU-T G.655)
  - BIF (ITU-T G.657A1/A2)
  - Single fiber: 0.25mm, 0.9mm
  - Fiber count, pitch
- **Fiber coating diameter**:
- **Fiber cleaving length**: 10mm
- **Average splice loss**
- **Typical splice time**: 12-fiber ribbon: 15sec.
- **Typical heating time**: 8-fiber ribbon: 14sec. (S924, power mode)
- **Splice program**: Max. 300
- **Splicer capacity**:
  - Last 100 images to be automatically captured
  - Last 10,000 splices
- **Image capture capacity**: Splice result storage / Last 100 images to be automatically captured
- **Magnification**: 20X, 28X (in zooming), 56X (in zooming)
- **Monitor**: 4.3 inch wide LCD monitor with touch screen
- **Optical fiber viewing method**: Two-way observation from X and Y axes
- **Discharge compensation function**: Automatic correction according to temperature and atmospheric pressure
- **Optical fiber viewing method**: Two-way observation from X and Y axes
- **Monitor**: 4.3 inch wide LCD monitor with touch screen
- **Magnification**: 20X, 28X (in zooming), 56X (in zooming)
- **Splice result storage / Last 100 images to be automatically captured**
- **Last 10,000 splices / Last 100 images to be automatically captured**
- **Power source AC**: 100-240V (50/60Hz)    DC: 11-24V
- **Dimensions**: 139W x 209D x 114H mm (not including shock absorber)
- **Weight**: 1.8kg
- **Data output**: USB 2.0 (Mini B x 1 port, Standard A x 1 port)
- **Operating temperature**: -10 to +50 °C (non-condensing)
- **Wet protection**: 1.5m / 20min

Environmental Durability

- **Drop impact**: Vertical drop test (5sides excluding the top side) is conducted from a height of 76cm and the normal operation is confirmed.
- **Impact protection**: The normal operation is confirmed after dropping a 500grams weight from a height of 76cm and the normal operation is confirmed.
- **Dustproof**: The normal operation is confirmed after putting the equipment in a device containing dust of 25μm or less for 8hours.
- **Drip proof**: The normal operation is confirmed after exposing water droplet of IPX 2 grade for 8hours.

Standard Package

<table>
<thead>
<tr>
<th>Item Model No.</th>
<th>S124012-3-0 (OY)</th>
<th>S124012-3-1 (QY)</th>
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</thead>
<tbody>
<tr>
<td>S124M12 main body</td>
<td>1</td>
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<tr>
<td>Hard carrying case</td>
<td>HCC-11</td>
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<tr>
<td>Battery pack</td>
<td>9947</td>
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<td>Spare electrode</td>
<td>ELR-01</td>
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<td>AC adapter</td>
<td>9979</td>
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<td>AC power cord</td>
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<tr>
<td>Cooling tray</td>
<td>CTC-03</td>
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<tr>
<td>Fiber deform (4 fiber)</td>
<td>FRD-02</td>
<td>1</td>
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<tr>
<td>Fiber deform (8/12 fiber)</td>
<td>FRD-04</td>
<td>1</td>
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<tr>
<td>Cleaning brush</td>
<td>VGC-01</td>
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<td>Electrode sharpen</td>
<td>D5111</td>
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<td>Tool case</td>
<td>TGC-01</td>
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<td>LCD antireflect sheet</td>
<td>ARS-01</td>
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<td>Rubber foot</td>
<td>RBC-01</td>
<td>1 pair</td>
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<td>Quick Reference guide</td>
<td>FTS-B059</td>
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<td>Instruction manual</td>
<td>URMC-03</td>
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<tr>
<td>Wi-fi dongle</td>
<td>WFD-01</td>
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</tbody>
</table>

Optional components

- **Soft carrying case**: SCC-01
- **Battery Charger**: S980
- **Angled Stand**: AGS-02
- **Shrap plate**: SPL-01
- **Work belt**: WBT-01
- **USB cable**: USB-01
- **Car cigarettes cable**: CDC-04
- **Battery holder**
  - Fiber holder (0.25mm coating fiber) S7125-250
  - Fiber holder (0.90mm coating fiber) S7125-900
  - Fiber holder (2 fiber) S712A-002
  - Fiber holder (4 fiber) S712A-004
  - Fiber holder (6 fiber ribbon) S712A-006
  - Fiber holder (8 fiber ribbon) S712A-008
  - Fiber holder (12 fiber ribbon) S712A-122
  - Fiber holder (12 fiber foldable ribbon) S712A-124

Fiber Guide V-groove

- **Fiber count, pitch**: 4 fiber FGV-04-P250
- **Fiber count, pitch**: 8 fiber FGV-08-P250
- **Fiber count, pitch**: 12 fiber FGV-12-P250
- **Fiber count, pitch**: 24 fiber FGV-24-P250

Protection Sleeve

- **Model No.**
- **Fiber holder**
  - S921: Single fiber, 0.25 - 0.9mm coating dia.
  - S924: Single fiber, 0.25 - 0.9mm coating dia.
  - S924F: 12-fiber ribbon (Flat ribbon)
  - S927R: 12-fiber ribbon (Rolled ribbon)

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