



FUSION SPLICER

## 1. GENERAL DESCRIPTION

Fusion splicing is the act of joining two optical fibers end-to-end using heat. The goal is to fuse the two fibers together in such a way that optical signal passing through the fibers is not scattered or reflected back by the splice, and so that the splice and region surrounding it are almost as strong as the virgin fiber itself.

- 5 inches high resolution colorful LCD display, image can be turned according to position.
- Average splice time: 10 seconds.
- Average tube-heat time: 30 seconds.
- Lithium battery: Rechargeable and up to 200 times of continuous splice and heat after fully charged.
- One heating program (able to adjust the heating time).
- Applicable Fiber Holder: Flat (2.0x3.0mm), 250μm, 900μm
- Cutting-edge technology for image processing.
- New developed technology providing strong wind and dust resistance.
- Splicing mode: Auto & Manual & Full-Auto
- USB Port (2.0)
- Storing 6,000 groups of latest splice results
- Suitable for field work
- New technology of fiber core alignment (Core to Core), enhanced accuracy
- New 3-in-1 cutting fixture for rubber-insulated wire, pigtail & bare fiber (Patented technology)
- New Multipurpose 1+N fixture (Patented technology)
- \* 1+N: optional fixtures (for SC/LC/FC connector).

## 2. ORDER INFORMATION

| Part Number | Description                                  |
|-------------|--|
| UF-2842A    | F.O. Professional Fusion Splicer Advance Set |

### 3. SPECIFICATIONS

|                           |   |
|---------------------------|---|
| Applicable Fibers         | SM (G.657, G.652), MM (G.651), NZ-DS, EDF, Pigtail, Cable (rubber-insulated wire), SC/LC/FC connector (optional function) |
| Average Splice Loss       | 0.02dB(SM), 0.01dB(MM), 0.04dB(NZDS), 0.04dB(EDF)   |
| Return Loss               | ≥60dB   |
| Tension Test              | 2.0N (200gf) (Standard)   |
| Typical splicing time     | 10 seconds  |
| Typical heating time      | 30 seconds  |
| Splicing Program          | 50 groups   |
| Protection Sleeve Length  | 20mm, 40mm, 60mm  |
| Electrodes Life           | Max. 3600 times (in usual condition)  |
| Operating Language        | English   |
| Operating Conditions      | -10~+50°C (Operation Temperature), 0~95% RH (Humidity), 0~5000m (Altitude), >15m/sec (Wind Velocity)                      |
| Power Supply              | AC adaptor: 100~240V input voltage, 50/60Hz; 15V, 5A output voltage (DC)<br>Inner lithium battery: 11.1V, 6AH             |
| Monitor                   | 5 inches high resolution colorful LCD display   |
| Fiber Image Magnification | X or Y axis Separately views 400 times magnification, or Simultaneously 300 times   |
| Storage of Splice Result  | 6,000 groups of latest splice results   |
| Splicing Mode             | Auto & Manual & Full Auto   |
| Optical Fiber Fixture     | 3-in-1 cutting fixture; Multipurpose 1+N fixture (optional, for SC/LC/FC connector)                                       |
| Dimensions                | 130(W)*135(D)*130(H)mm<br>Package size: 53*32*30cm  |
| Weight                    | 2.21kg + 0.37kg (battery weight) = 2.58kg<br>Package G.W.: 8.68kg   |


### 4. STANDARD PACKAGE

| No. | Item                              | Quantity |
|-----|-----------------------------------|----------|
| 1   | Machine                           | 1        |
| 2   | Fiber Auto Cleaver                | 1        |
| 3   | Fiber Stripper                    | 1        |
| 4   | FTTH Drop Fiber Stripper          | 1        |
| 5   | AC Adaptor (Charger)              | 1        |
| 6   | Battery                           | 1        |
| 7   | Spare Electrodes                  | 1        |
| 8   | Cooling Tray                      | 1        |
| 9   | Instruction CD                    | 1        |
| 10  | Quick Reference Guide             | 1        |
| 11  | Carrying Case with Carrying Strap | 1        |
| 12  | Alcohol Bottle                    | 1        |
| 13  | Guiding Groove                    | 1        |
| 14  | Car Charger                       | 1        |

\*Custom-made Professional anti-shock tool kit (case) with sponge inside

\*Export-standard Carton Box with PE Foam inside (53\*32\*30cm, 8.68k)



 Specifications subject to change without notice. Revised 07/2018  
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