



# Fiber Optic Fusion Splicer

## Features

- **FAST 7 Second Splicing • ULTRA-FAST 9 Second Heat Shrinking**
- **Drop/Impact, Dirt/Dust and Water Resistant**
- **3 Year Warranty • Quick-change Rechargeable Lithium Battery**
- State-of-the-art core-to-core fiber Profile Alignment System (PAS)
- Fully-automatic, semi-automatic and manual operating modes
- Automatic detection of fiber cleaved face quality
- Automatic display of cleaved fiber and the offset angles
- Automatic analysis and estimation of splice loss
- Automatic detection of bad/faulty splice
- Automatic detailed data report record and memory storage for each splice (up to 10,000 splices)
- Automated 2N splice tension test
- Handy, easy-to-carry, solid and durable with shock-resistant design
- Enhanced windproof fusion area cover
- Color HD 5" LCD display and graphical interface
- English, Spanish and French languages, user-selectable
- Single X or Y view, or X and Y simultaneously
- High quality electrodes with up to 3,500 splicing cycles
- Easy user-replaceable electrodes design (set of spares is included)
- Wide range of fusion and heating parameter defaults and options
- Built-in temperature, humidity, air pressure sensors and automatic arc correction
- Intelligent power indicator, auto power-off and quick-change battery
- Built-in heat shrink heater: Easy to use, quick, customizable parameters
- Data reports can be downloaded to PC and system upgrades can be uploaded via USB port and cable
- Built-in work lights make optical-fiber placement easier and more accurate, even at night or in dark work areas
- High precision 4 motor drive design



## Description

The tough and rugged Multicom MUL-FSPLICE-200 Fiber Optic Fusion Splicer is drop/impact, dirt/dust and water resistant - and comes with a 3 year warranty. The splicer employs high-speed image processing and special positioning technology allowing the fusion splicing to be completed in a FAST 7 seconds and can heat shrink in an ULTRA-FAST 9 seconds. The splicer is compact in size, lightweight, and is ideal to work just about anywhere including harsh outdoor environments, dark and remote worksites.

## Fiber Optic Fusion Splicer Kit Includes:

- MUL-FSPLICE-200 Fiber Optic Fusion Splicer
- Universal fiber optic fiber holders
- Precision Optical Fiber Cleaver
- USB Thumb Drive with Operating Manual
- Fiber stripper and Sheathing stripper
- Quick-change rechargeable lithium battery
- AC adapter
- Spare electrodes
- Heat shrink cooling tray
- Cleaning blower bulb
- Tweezers
- Heavy duty carrying case with workshelf

**MUL-FSPLICE-200**

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## Product Specifications

### Description

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### Technical Specifications

| Parameter                           | Specification  |
|-------------------------------------|--|
| Average splicing time               | 7seconds - Fast mode   |
| Average heating time                | 9 seconds - Fast mode  |
| Warranty                            | 3 years - Drop/impact, dirt/dust and water resistant   |
| Applications                        | SM (single-mode, ITU-T G.652A/B/C/D and ITU-T G.657A/B), MM (Multi-mode, ITU-T G.651), DS (Dispersion Shift, ITU-T G.653), NZDS (Non-Zero Dispersion Shift, ITU-T G.655) |
| Splice loss                         | 0.02dB (SM), 0.01dB (MM), 0.04dB (DS), 0.04dB (NZDS)   |
| Return loss                         | > 60dB   |
| Operation mode                      | Full auto, semi-auto, manual   |
| Fiber aligning method               | Core, clad, manual alignment   |
| Fiber diameter                      | Cladding diameter: 90 ~ 150µm, coating diameter: 125 ~ 1000µm  |
| Fiber cleaved length                | 10 ~ 16mm (coating diameter <250µm), 16mm (coating diameter: 250 ~ 1000µm)   |
| Lens magnification                  | 200x, 400x   |
| Display                             | 5" Color LCD, High Definition  |
| Tension test                        | Standard 2N (option in unit settings)  |
| Heat shrinkable tube                | 60mm, 40mm and other micro-heat shrinkable tube  |
| Battery capacity splice-heat cycles | 260 typical  |
| Battery full charge time            | 3 hours - unit is able to operate/splice during charging process   |
| Battery life                        | 300 ~ 500 charging cycles, Quick-change lithium battery  |
| Power display                       | Real-time remaining power is displayed on screen   |
| Electrode life                      | 3,500 splice cycles typical, easily replaceable electrodes (included)  |
| Optical fiber fixture/clamp         | Universal fiber holders allows accurate optical fiber positioning  |
| Construction lighting               | Extra bright wide angle light for splicing at low lighting levels or night   |
| External ports                      | USB  |
| Power Supply                        | AC Power Adapter, quick-change lithium battery   |
| Operating conditions                | -10 ~ 50°C (14 ~ 122°F), 95% no condensation, 0 ~ 5000m above sea level  |
| Dimensions                          | 138mm L x 158mm W x 138mm H  |
| Weight                              | 1.81kg (4lb) with battery, 1.56kg (3.4lb) without battery  |
| Optional Extra                      | Quick-change lithium battery - Adds 260 cycles (typical)   |

**MUL-FSPLICE-200**

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