OFS-100 adopts high-speed image processing technology and 4-motor precise positioning technology, which help realize fast automatic fiber splice and high-quality splice performance. The perfect combination of 5-inch LCD and dual-CMOS, X/Y and X+Y display give full picture of fiber splice at all stages. It supports SMF (G.652), MMF (G.651), DSF (G.653), NZ-DSF (G.655), BIF (G.657), CSF (G.654), EDF splicing.

The compact body also supports long-time outdoor operation, making it a favorable tool in optical fiber installation, maintenance in field of Telecommunications, Broadcasting, Railway, Power, Military, as well as scientific research.

OFS-100

- Compact and light: 1.3Kg with battery
- 4 motors clad alignment for precise high-quality splicing
- SMF (G.652), MMF (G.651), DSF (G.653), NZ-DSF (G.655), BIF (G.657), CSF (G.654), EDF splicing
- One-fit-all fiber holders for bare fiber, pigtails, patch cords and FTTH indoor fiber splicing
- Auto fiber end-face inspection, auto arc position adjustment, splice loss calculation, temperature and pressure compensation
- Auto splicing
- Splicing≤6s, heating≤18s (time and power adjustable)
- Arc counter prompts electrode change upon usage
- Auto arc optimization
- Auto heating
- X/Y and X+Y display for clear fiber core image
- Quick mount battery with power indicator
- Built-in illumination
- Wind – dust – rain - shock proof
- Graphical user interface for easy understanding and operation

Equipped with removable universal fiber holders (250μm/900μm/patch cord/FTTx indoor fiber etc.)

Fiber Type	SMF (G.652), MMF (G.651), DSF (G.653), NZ-DSF (G.655), BIF (G.657), CSF (G.654), EDF
Protection Sleeve	40mm - 60mm
Splicing Principle	Arc
Alignment	4 Motors Alignment
Splice Control	Auto and Manual Splicing
Arc Optimization	Yes
Splice Mode	240 groups
Heating Mode	60 groups
Display Mode	X, Y, X+Y
User Interface	Graphical interface, multiple language support
Splice Result	Auto splice result (Loss) calculation and display
Data	≥10000 splice records (CSV format), ≥150 screenshots
Data Port	USB, Driver-free
Fiber Diameter	Cladding: 80~150μm, Coating: 100~1000μm
Cleave Length	5mm~16mm
Splice Loss	MMF ≤ 0.01dB (Typical), SMF/BIF ≤ 0.02dB (Typical), DSF/NZDSF/EDF ≤ 0.04dB (Typical), CSF ≤ 0.02dB (Typical)
Return Loss	>60dB
Splice Time	≤6s (Fast mode), ≤9s (Auto mode);
Heating Time	≤18s, Adjustable
Zoom	400 x (X+Y) ; 320 x (X or Y)
Electrode Life	≥5000 splices
Tension Test	1.96N ~ 2.25N
Start-up Time	< 10s
Power Supply	220V±10%, 50Hz AC/DC; Rechargeable Lithium Battery；support operation when charging
Battery Life	≥200 Splicing and Heating
Chanrging Time	≤4 hours
Size	131mm×79mm×200mm (L x W x H)
Weight	1.3Kg (With Battery)
Work Temperature	-20℃ ~ +55℃
Storage Temperature	-40℃ ~ +70℃
Humidity	≤95% (non-condensing)
Altitude	0 m ~ 5000 m
Wind Speed	≤15 m/s