

## S-12 Polarization Maintaining Fiber Fusion Splicer



### Designed for Polarization Maintaining Fiber

- ※ Fully automatic operation
- ※ Core to core alignment, low splicing loss
- ※ Support fiber alignment at different angles
- ※ Storage: 8000/100 groups fusion records/images
- ※ Real-time ARC calibration, adjustable ARC position
- ※ Suitable for 80~125μm/125~250μm PM fibers' splicing
- ※ Direct fiber end face view, more accurate alignment
- ※ Fiber profile/end view dual mode aligning technology
- ※ Precise integrated propulsion and new focusing design
- ※ Applicable to variety fibers splicing, such as Panda, bow-tie and elliptical fiber

## Specifications

Model Number	S-12PM	S-12PM+
Applicable Fiber	Telecommunication Fibers: SM/MM/DS/NZDS/EDF PM Fibers: Panda fiber, Bow-tie and Elliptical fiber	
Cladding Diameter	80~125μm	125~250μm
Coating Diameter	160~900μm	
Cleaved Length	9~10mm(standard)	
Alignment Method	PAS and fiber end view available	
Typical Splice Loss	SMF: 0.03dB; MMF: 0.05dB; NZDS:0.02dB; PMF 0.06dB	
Typical Splice Time	SMF/MMF: 15 seconds; PMF: <60 seconds	
Return Loss	>60dB	
Operation Mode	Manual/Auto	
Heating Mode	Manual/Auto	
Splicing Program	40 modes	
Typical Heating Time	Typical 30s, could customize	
Extinction Ratio	-36.8dB(PANDA)	
Tension Test	1.96N(+0%~+20%)	
PM Splicing Function	Support splicing at 0, 45 degree and 90 degree	
Electrode Life	>2000times, easy to replace the electrodes	
Data Storage	8000 groups fusion records, 100 groups images	
Viewing Display	5" HD color LCD Monitor	
Terminal	USB 2.0 port, for software upgrading, records exporting, RS232 port, output signal customizable	
Dimension/Weight	330mm(L)x205mm(W)x172mm(H)/6.4kg	
Operating/Storage Condition	-10°C~+50°C/-20°C~+60°C	
Power Supply	Adaptor, input: AC100~240V(50/60Hz), output: DC11~13.5V, 5A	

Package



Fusion Splicer



Fiber Holder



Fiber Cleaver



Spare Electrodes



Fiber Stripper



User Manual



Power Plug



Fiber Adapter



Power Adapter



Carrying Case