

# 8001 High Precision Fully Automatic Polarization

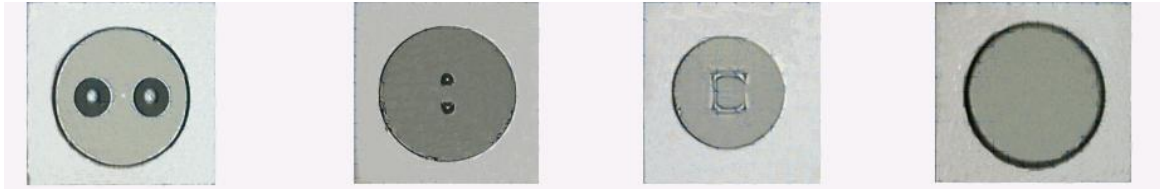
## Maintaining Fiber Fusion Splicer

8001 High precision fully automatic polarization maintaining fiber fusion splicer, with excellent workmanship stable quality and simple operation, It is a multifunctional fusion splicing and testing high-precision platform designed specifically for polarization maintaining fiber fusion splicing and testing in fields such as fiber optic sensing, fiber optic gyroscopes, optical switches, and fiber lasers.

### Product characteristics

- Extinction ratio: 30dB-45dB
- Polarization maintaining fiber fusion splicing in 2 minutes
- 0.02 ° rotary motor accuracy
- Direct coupled rotary spindle, high precision
- Suitable for fusion splicing of various single-mode, multi-mode, and polarization maintaining fibers
- PAS precise fiber core alignment, simple, accurate, and intuitive angle positioning, ensuring low loss splicing
- Fiber optic can be fused at 0 °, 45 °, and 90 °
- 5-inch digital high-definition LCD display screen, while observing the fiber optic cables in the X-axis and Y-axis directions
- Fusible panda shaped polarization maintaining fiber, straight shaped polarization maintaining fiber, bow tie shaped polarization maintaining fiber, bow tie shaped polarization maintaining fiber, single-mode, multi-mode, dispersion shifted, non-zero dispersion shifted and other optical fibers
- Customization is required for optical fibers with different cladding diameters. The selection table is as follows:

40um~60um/60um~80um/80um~125um/200um~250um/250um~300um/360um~400um



### Specification

Mode	High precision fully automatic polarization maintaining fiber fusion splice
Splicing Type	Panda type polarization maintaining fiber, linear, bow tie type, elliptical, SM (single-mode), MM (multi-mode), DS (dispersion shift), NZDS (non-zero dispersion shift),
Splicing Loss	Single mode fiber 0.02dB; Multi mode fiber 0.02dB; Dispersion shifted fiber 0.05dB; Polarization maintaining fiber (PM) 0.07dB
Magnification factor	150 times
View Display	5-inch LCD screen provides fiber optic side image display;
Tension Test	Standard 2N
Heat Shrinkable Sleeve	60mm, 40mm and serials heat Shrinkable Sleeve

Electrodes Life	3000, easy to replace electrodes
Battery Capacity	6800mAh,300 cycles splicing and heating, 3 hours charging time ( splicing and charging at same time)
Battery Life	Cycling charge 300-500 times, easy to replace battery
Power Source	≤20W
Construction Lighting	Built in high brightness, wide range of lights, easy to operate at night
Power supply	External adapter, input: AC100-240V, output: DC13.5V/4.5A; Built in lithium battery 11.1V 6800mAh
work environment	Temperature: -10 °C to+60 °C; Humidity: 0-95% RH (non condensing); Altitude: 0-5000m
Dimension (LxWxH)	244mm(L)×173.5mm(W)×155mm(H)



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