

Feature Summary

- ❖ 7-second fusion splices with 18-second high efficiency heater
- ❖ Precise fiber core alignment.
- ❖ 320 times image magnification.
- ❖ 300 groups of fusion splicing modes, 100 groups of heating modes
- ❖ 10000 groups of fusion records, 64 images storage
- ❖ Ceramic presser foot, ceramic V-block, all-in-one fixture
- ❖ Dual-direction splicing, automatic splicing, intelligent pyro condensation
- ❖ USB and SD card interfaces, U-disk automatic software upgrade
- ❖ Built-in modular lithium battery, supports 220 splicing and heating cycles.



Water, Dust and Shock Resistant.



Water-resistant test

Dust-resistant test



Graphical User Interfaces and Touch Screen

The AV6481 features an industrial-grade platform of high-performance, completely fresh HD optical fiber microscope, high-speed motor and using aluminum-magnesium alloy materials throughout the product. Meets IP52 standards.

AV6481 features a GUI (Graphical User Interface) and Touch Screen design. Operators will be adapt quickly to the ease of use and the simplicity to retrieve relevant information through the interface.

Technical Specifications.

Category	Specification
Model	AV6481
Alignment Method	Precise Core Alignment and Cladding Alignment
Applicable Fibers	Any common optical fibers, rubber-insulated fibers and jumpers that meet requirements of ITU-TG.651~653, ITU-TG.655 and ITU-TG-657
Optical Fiber Diameter	Cladding: 80~150um, coating layer: 0.1~3mm
Cutting Length	5~16mm (coated optical fiber diameter<= 25um); 10mm (coated optical fiber diameter: 0.25~3mm)
Fusion Slice Consumption	0.02dB (SMF); 0.01dB (MMF); 0.04dB (DSF); 0.04dB (NZDSF)
Return Loss	Better than 60dB
Fusion Splice Time	7s
Heating Time	18s
Pull Force Test	1.96~2.25N
Thermal Tube Shrinkage	60mm, 40mm and series of thermal shrinkage tubes
Graphical Display	High-Performance 4.3 inch LCD
Magnification Time	320 times/88 times
Fusion Splice Record	1000 Groups
Battery Capacity	11.1V, 6400mAh, typical value of fusion splicing and thermal cycle is 220 times
Battery Service Life	Cycle charging times reach 300~500, can be replaced by customers
Electrode Service Life	Typical value is 4000 times, can be replaced by customers
Construction Lighting	Built-in lights with high-brightness and wide lightening area
Work Environment	Temp: -10~50C; Humidity: 0~95%RH, height above sea level: 0~6000m
Operations Interface	GUI graphical operation interfaces
External Power	AC AC100~240V, 60Hz, 0~1.5A; DC DC10~15V
External Port	USB / SD
Dimensions	120mm (W) x 130mm (H) x 154mm (D) (without rubber anti-vibration pad)
Weight	1.59kg (Host Engine), 0.37kg (Battery)