

The background of the cover is a deep blue space scene with a view of the Earth's horizon. Overlaid on this are numerous glowing blue lines representing optical fiber paths, which connect various bright blue star-like points across the frame. The overall aesthetic is high-tech and futuristic.

Optical Fiber Fusion Splicer

AI-08 PRODUCT MANUAL

OPTICAL FIBER FUSION SPLICER




Product Code.	70001-RT AI 08
File Compiled Version	V1
Product Name	OPTICAL FIBER FUSION SPLICER



NEW PRODUCT LAUNCH

CLASSIC MASTERPIECE

A close-up, high-angle view of a silver, industrial-grade fiber fusion splicer. The device has a sleek, rectangular design with various ports and a handle visible on the right side.

AI-8 use the latest core alignment technology with auto focus and six motors, it is a new generation of fiber fusion splicer. It is fully qualified with trunk construction of medium and short distance, FTTH project, security monitoring and other fiber cable splicing projects. The machine uses industrial quad-core CPU, fast response, is currently one of the fastest fiber splicing machine in the market; with 5-inch 800X480 high-resolution screen, the operation is simple and intuitively; and up to 300 times focus magnifications, making it is very easy to observe the fiber with naked eyes. 5 seconds speed core alignment splicing, 16 seconds heating, the working efficiency increased by 50% compared to ordinary splicing machines. Under the conditions of rigorous testing, the performance is still outstanding; toolbox is small, exquisite, durable, and with unique bench design. The design of operating platform reflects the humanistic care; unique lighting design, it is convenient for night construction or repair. Screen brightness is adjustable and it is convenient for outdoor sunshine environment operation. The core parts are using imported brands, aviation metal body material with exquisite details. With the combination of advanced technology and design, the new generation of optical fiber fusion splicer will bring you a reliable and comfortable user experience.

MASTERPIECE HIGH-END LUXURY

Six motors
Core alignment

Disassembly free three-in-one fiber holder

5 seconds fast splicing

300 times magnification auto focus

16 seconds fast heating

7800mAh large capacity battery



● Once splicing reaches to 50,000 times free replacement a new machine

METAL BODY AESTHETIC DETAILS

Automatic heating

5 inch display

Simultaneously align fibers

Loss display

Can charge the phone

Protective case

- 18 patent results
- Lifetime free warranty

LED light

Convenient for night operation

Battery press & remove



CORE PARTS QUALITY ASSURANCE



Siemens stepper motor



Roth ROUST linear guide



Sanyo lithium battery



Aviation metal material

THE TOOLBOX

COMES WITH A STOOL TO FACILITATE
THE CONSTRUCTION WORKERS.



Remove
the stool



Do not need to take out the
splicer machine from the
toolbox while working.

Fiber cleave operator station



Two
layers

Stool can bear
100kg



Lighting for splicer

Convenient for night operation

We are so hard only for you



INDUSTRIAL QUAD-CORE CHIP CPU



Synchronous
operation

speed
response

no
jammed

super
experience

3 IN 1 FIBER HOLDER

SM, MM, bare fiber, pigtail, rubber-insulated, multi
fiber cable



THE BATTERY POPUP AUTOMATICALLY



7800 mA high-capacity
lithium battery

- charging time \leq 3.5 hours
- continuous splicing and heating about 200 times



Press to popup
the battery

CAN CHARGE THE PHONE

Intimate care, just understand you



If your phone is out of power at outdoor, our machine can charge your phone, ensure you can contact your family members or colleagues in time.

SHOW GOOD PERFORMANCE IN PLATEAU, DESERT, AND EXTREME COLD ENVIRONMEN

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BASIC PARAMETER

Fiber alignment	Core/cladding alignment / Manual alignment	Built-in lighting	easy for night operation
Splicing time	6S	Tension Test	Standard 2N
Heating time	15S	Fiber holders	3 in 1 fiber holder, SM, MM, bare fiber, pigtail, rubber-insulated, multi fiber cable
Heating mode	Automatic heating (Preheating)	Magnification	300 for X or Y view, 150 for X or Y view
Focus mode	Six motors Auto focus	Screen	5 inch TFT color display
Applicable Fibers	SM(G.652&G.657)、MM (G.651)、DS(G.657)、NZDS (G.655)	Splicing Mode	Normal / high precision splicing
Splice Loss	0.025dB (SM)、0.01dB (MM) 0.04dB (DS/NZDS)	Splicing method	Fully automatic、Step by step splicing
Control technology	Real-time control and calibration of fusion ARC	Splicing record storage	Synchronize to the phone, the server to cloud storage unlimited
Return loss	Better than 60DB	Built-in battery	7800 mA high-capacity lithium battery, charging time \leq 3.5 hours, continuous splicing and heating about 200 times
Fiber diameter	Cladding Diameter: 80-150 μ m Coating Diameter: 100-1000 μ m	Power supply	Input AC100-240V 50 / 60HZ, output DC13.5V / 4A, the current power mode can be identified, real-time detection of battery power
Fiber Cleave Length	Coating less than 250 μ m: 8-16mm Coating less than 250-1000 μ m:16mm	Operating Conditions	Temperature -15 ~ +50 $^{\circ}$ C, humidity: <95% RH (no condensation) Working altitude: 0 ~ 5000m. Resist max. wind speed: \leq 15m / s
Software updates Length	Automatically update、Update by a key	Shrinkable tube	60mm、50mm、40mm、25mm
Boot time	1 second	Product protection	Waterproof, dust proof, shock-resistant

SIZE DETAILS



ACCESSORIES IN THE BOX



Fiber Cleaver



Spare electrode



Wire stripping pliers



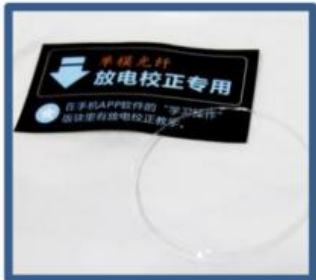
Miller stripper



Hex key



Carrying case



Fiber for
ARC calibration



Strap



Power Adapter



Alcohol Bottle



Brush



User's manual
Quality Certificate
Warranty Card

SERVICE COMMITMENT

1

If there is quality problem from the date of purchase within three months,

we offer free replacement machine.

The customer bear the out and home shipping cost.

2

Lifetime warranty, lifetime free parts, but these circumstances are not within the scope of this provision.

- Except for the cleaver, Miller clamp, stripping pliers, fiber holders and other tools whose life depends on the frequency of use and the use of the environment.
- Electrodes are consumables, it is termination after the electrodes splicing 3,000 times.
- Battery warranty for one year, it is in free warranty where it is damaged or can not be charged in one year.

3

When the splicing reaches 50,000 times,
our company will replace a brand new machine for customer free of charge.

ABOUT US



Our Company Is A High-Tech Enterprise Which Is Specialized In Research And Development, Production And Sales Of Communications Products. The Main Products Are Automatic Intelligent Optical Fiber Fusion Splicer, Optical Time Domain Reflectometer (OTDR), Light Power Meter, Optical Cable Construction Tools Equipment, Fiber Fusion And Taper Equipment, Optical Cable Blowing Machine Etc. Our Products Are Widely Used In China Telecom, China Mobile, China Unicom, Broadcasting, Electricity, Railways, Petrochemical, Military, Coal Industry, Research Institutions And Other Fields.

Our Company Has A Modern Production Plant And Standardized Office Buildings, With A Total Area Of Nearly 6,000 Square Meters, About 200 Employees, Including 10 Senior Engineers, 12 Master's Degree Or Above, Bachelor Degree Or Above Accounted For 45%. Our Company Owns Independent Intellectual Property Rights For Signal Fire Automatic Intelligent Optical Fiber Fusion Splicer And Its Related Products. Our Products Have Been Sold To Many Countries And Regions, Including North America, South America, Europe And Southeast Asia Etc, Our Products Have Gained Highly Praise From Customers.

Your
Trusted
Partner



THANK YOU