



OPTICAL FIBER FUSION SPLICER

AI-9

PRODUCT MANUAL

Vector Illustration

MAP

Vector Illustration

MAP



OPTICAL FIBER FUSION SPLICER

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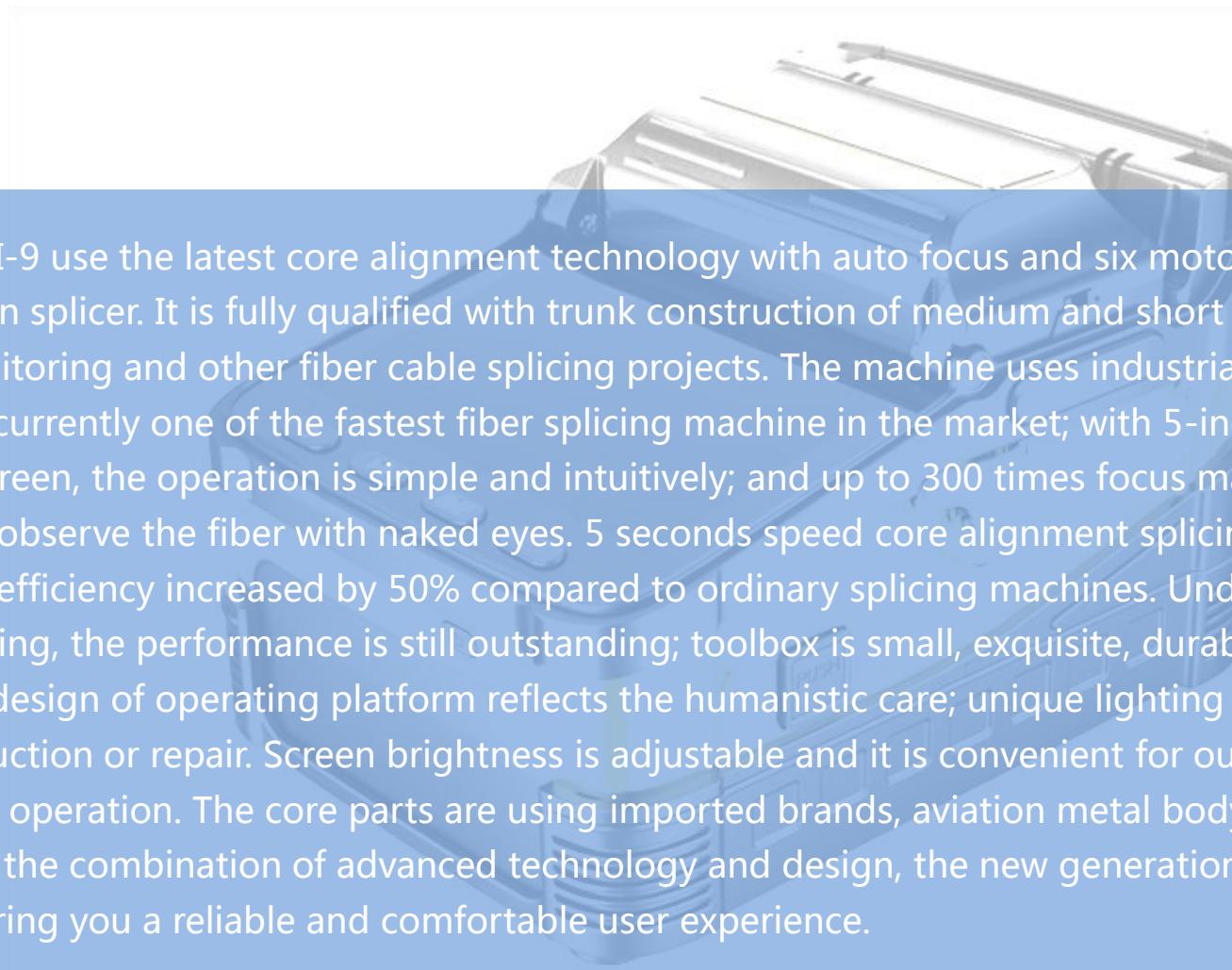


NEW PRODUCT LAUNCH

CLASSIC MASTERPIECE



OPTICAL FIBER FUSION SPLICER



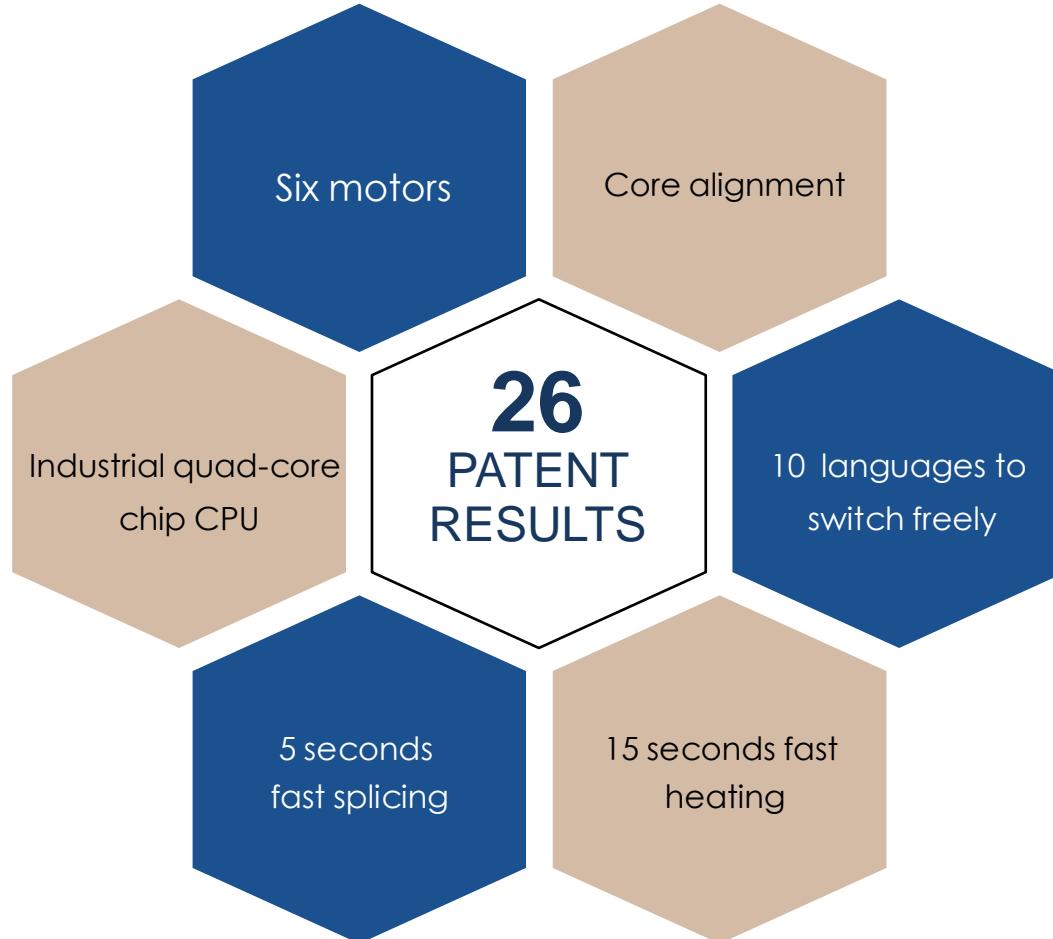
Signal Fire AI-9 use the latest core alignment technology with auto focus and six motors, it is a new generation of fiber fusion splicer. It is fully qualified with trunk construction of medium and short distance, FTTH project, security monitoring and other fiber cable splicing projects. The machine 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, 15 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



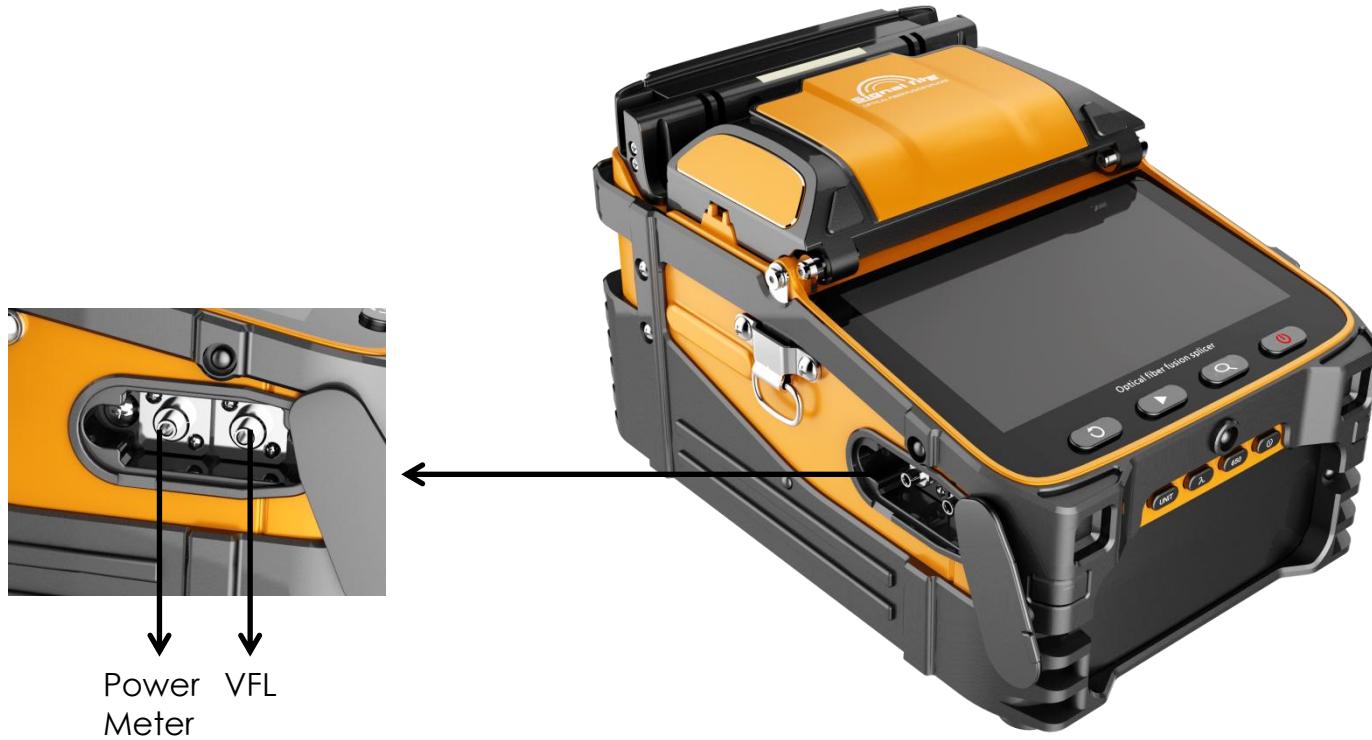
OPTICAL FIBER FUSION SPLICER



METAL BODY AESTHETIC DETAILS



OPTICAL FIBER FUSION SPLICER



VFL: Always on / flashing / off

Power Meter:

850nm/1300nm/1310nm/1490nm

/1550nm/1625nm Six states

BUILT-IN POWER METER AND VFL

Effectively measure connection loss, verify continuity, and help assess fiber link transmission quality.

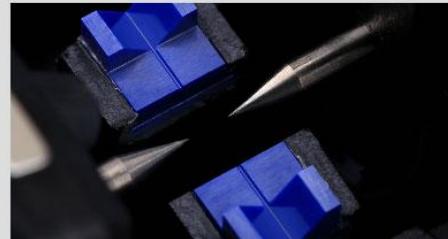
METAL BODY AESTHETIC DETAILS



OPTICAL FIBER FUSION SPLICER

PRODUCT DETAILS

Factory Address: No.2-4 Jingping Zone, Jiecheng Industrial Park, Jingping District, Chengdu, China. Factory Address: No.2-4 Jingping Zone, Jiecheng Industrial Park, Jingping District, Chengdu, China.



EXQUISITE DETAILS

Factory Address: No.2-4 Jingping Zone, Jiecheng Industrial Park, Jingping District, Chengdu, China. Factory Address: No.2-4 Jingping Zone, Jiecheng Industrial Park, Jingping District, Chengdu, China.



THE TOOLBOX

COMES WITH A STOOL TO FACILITATE
THE CONSTRUCTION WORKERS.



OPTICAL FIBER FUSION SPLICER



Stool can bear 100KG

Remove
the stool



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

Fiber cleave
operator station



Two layers

CORE PARTS QUALITY ASSURANCE



Siemens stepper motor



Roth ROUST linear guide



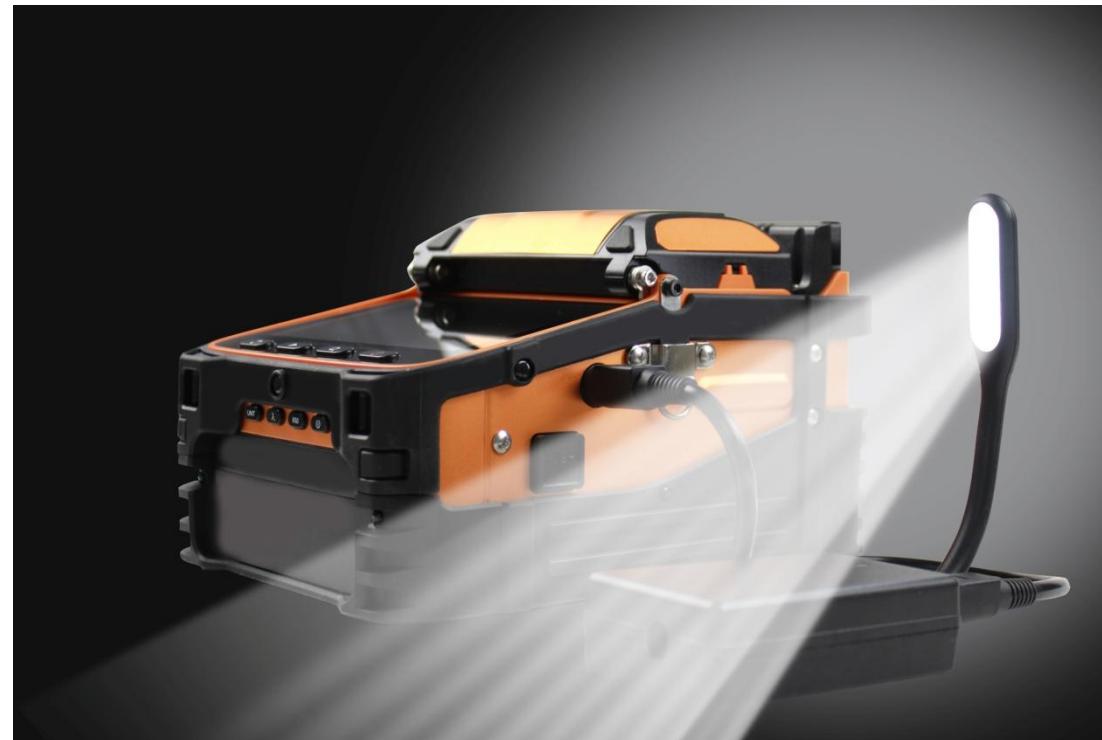
Sanyo lithium battery



Aviation metal material

Lighting for splicer

Convenient for night operation



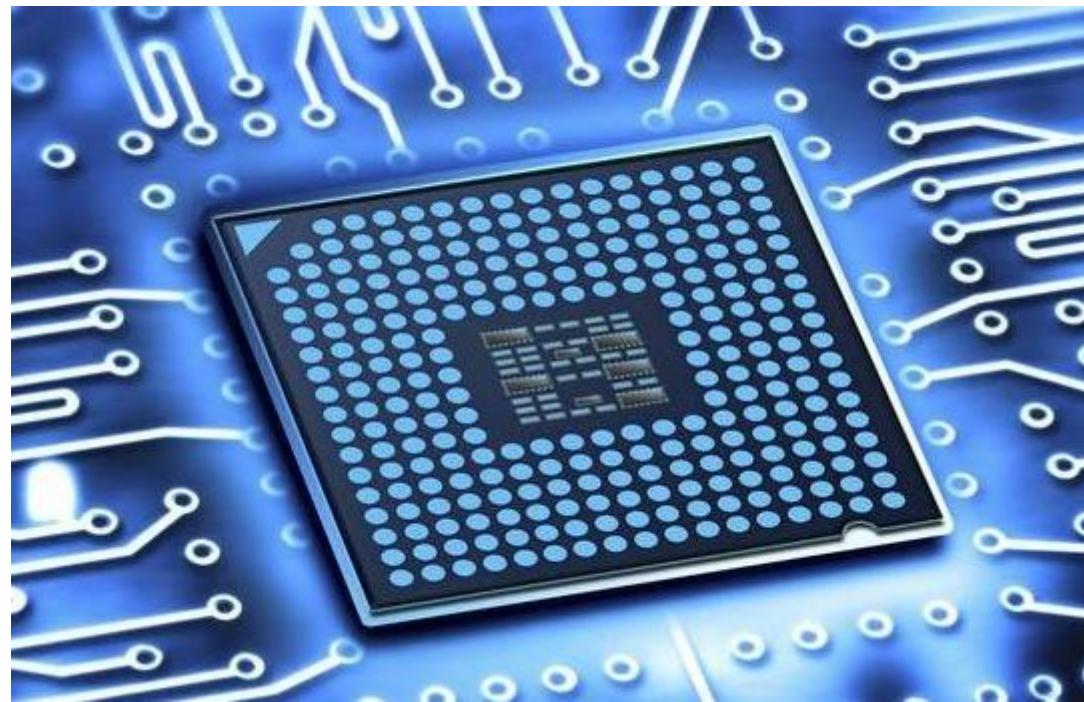
Can charge the phone

Avoid the use of outdoor construction mobile phones without electricity



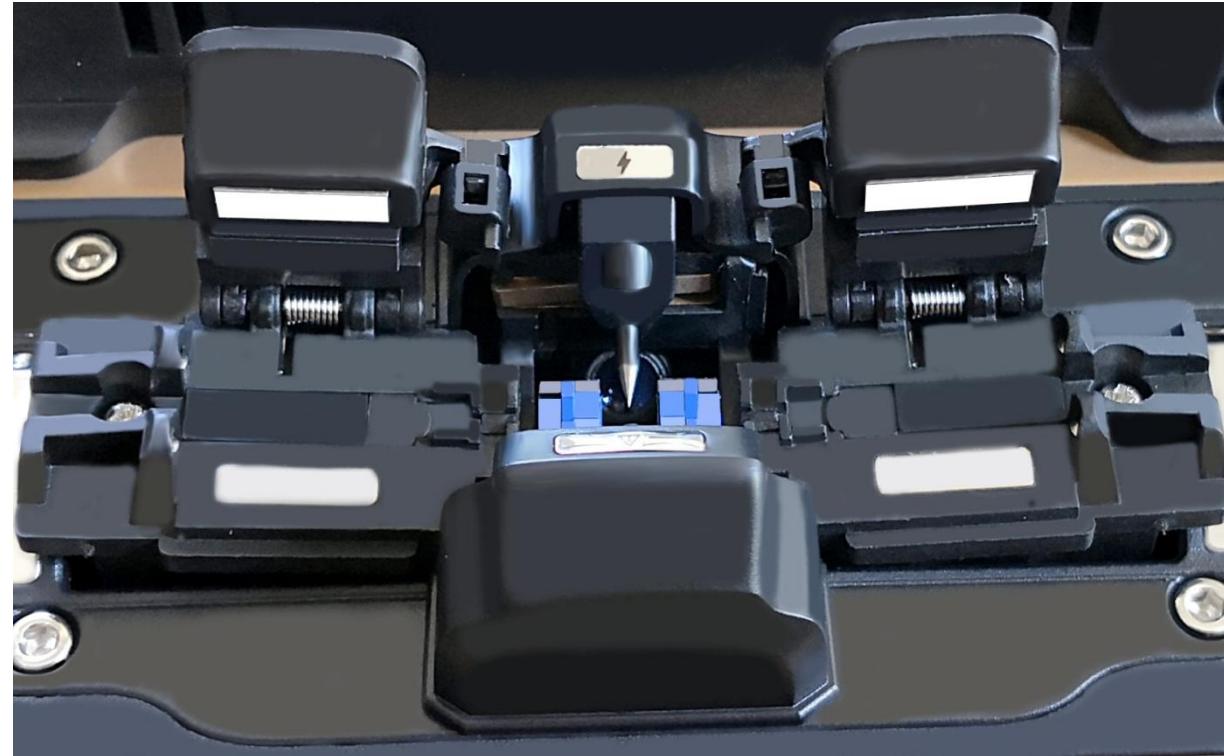
INDUSTRIAL QUAD-CORE CHIP CPU

Synchronous operation / speed response / no jammed / super experience



3 IN 1 FIBER HOLDER

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



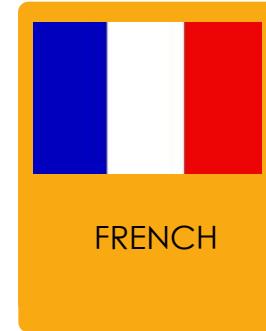
7800mAh LARGE CAPACITY BATTERY

charging time \leq 3.5 hours/continuous splicing and heating about 260 times



10 LANGUAGES TO SWITCH FREELY

Covers the global major user market



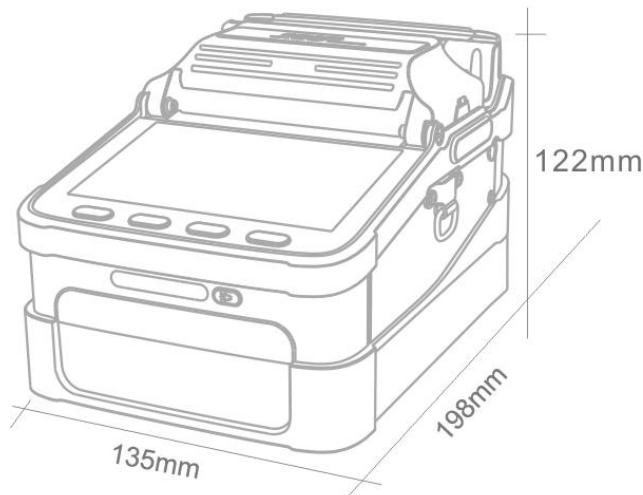
Show good performance in plateau, desert, and extreme cold environment



BASIC PARAMETER

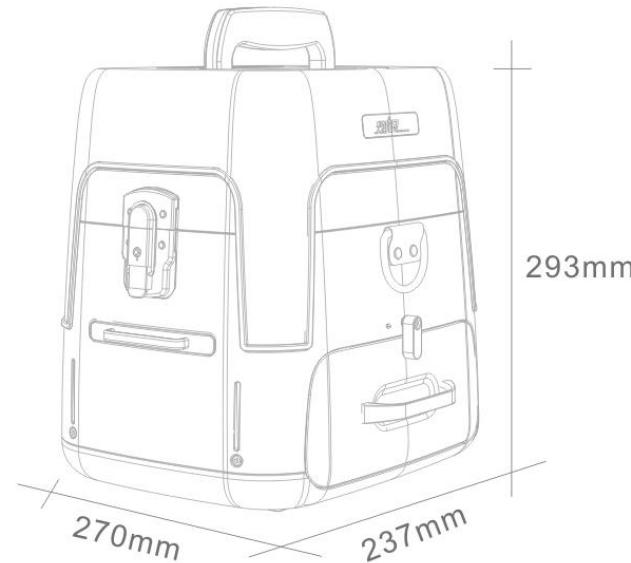
Fiber alignment	Core/cladding alignment / Manual alignment	Language Setting	10 languages to switch freely
Splicing time	5S	Tension Test	Standard 2N
Heating time	15S	Fiber holders	3 in 1 fiber holder, SM, MM, bare fiber, pigtail, rubber-insulated, multi fiber cable
Heating mode	Automatic heating (Preheating)	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 ≤ 3.5 hours, continuous splicing and heating about 260 times
Fiber diameter	Cladding Diameter : 80-150μm Coating Diameter : 100-1000μm	Power supply	Input AC100-240V 50 / 60HZ, output DC13.5V / 4.8A, the current power mode can be identified, real-time detection of battery power
Fiber Cleave Length	Coating less than 250μm : 8-16mm Coating less than 250-1000μm:16mm	Operating Conditions	Temperature -15 ~ +50 °C, humidity: <95% RH (no condensation) Working altitude: 0 ~ 5000m. Resist max. wind speed: ≤ 15m / s
Software update 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



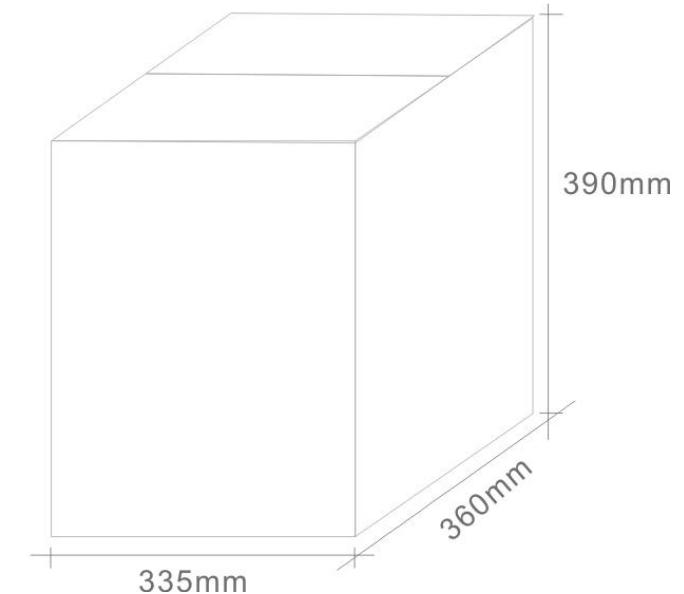
Machine weight

2.08kg (with battery)
1.60kg (without battery)



Toolbox weight

7.1kg (including machine and accessories)



Total weight

8.40kg

Accessories in the tool box



Fiber Cleaver



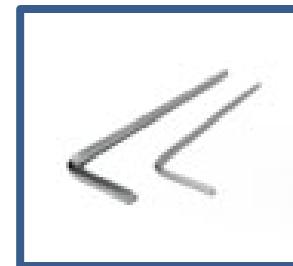
Spare electrode



Wire stripping pliers



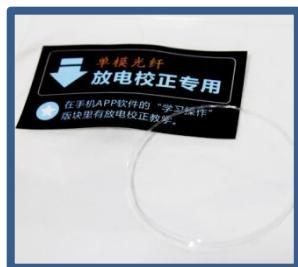
Miller stripper



Hex key



carrying case

Fiber for
ARC calibration

Strap



Power Adapter



Alcohol Bottle



Brush

User's manual
Quality Certificate
Warranty Card

ABOUT US



Signal Fire Technology Co.,Ltd. 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 380 Employees, Including 10 Senior Engineers, 12 Master's Degree Or Above, Bachelor Degree Or Above Accounted For 45%.

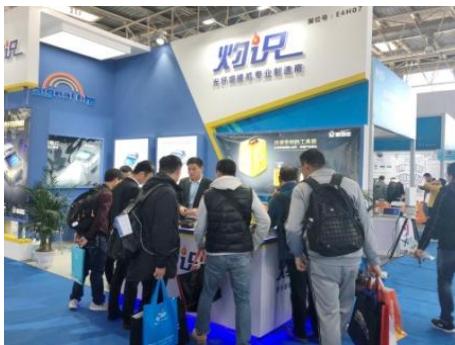
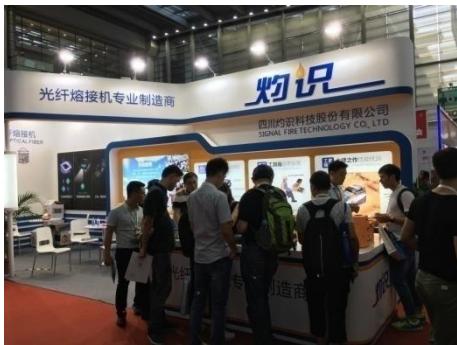
ABOUT US



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.



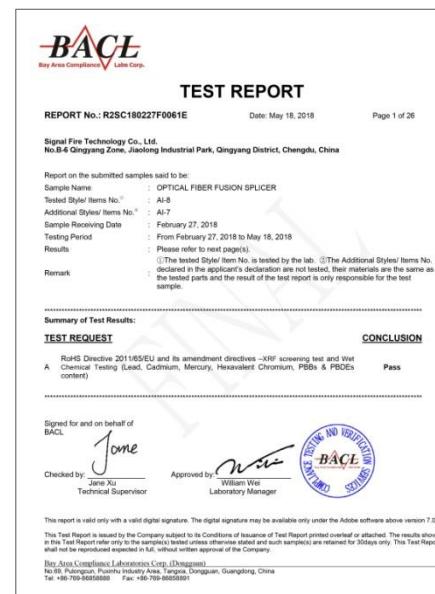
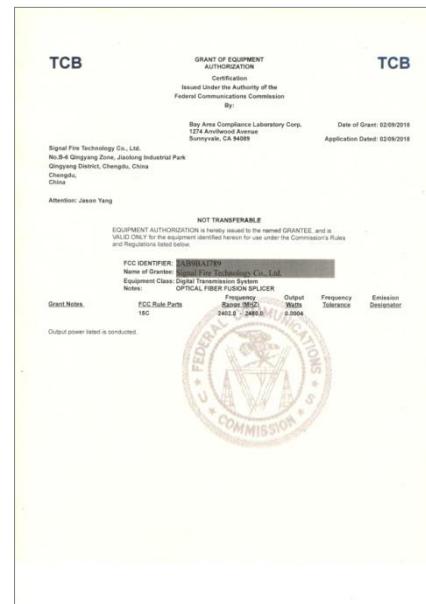
EXHIBITION PHOTOS



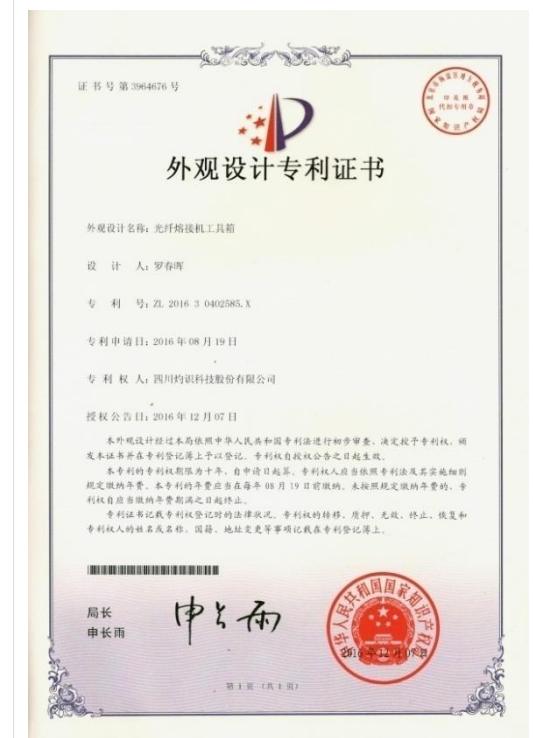
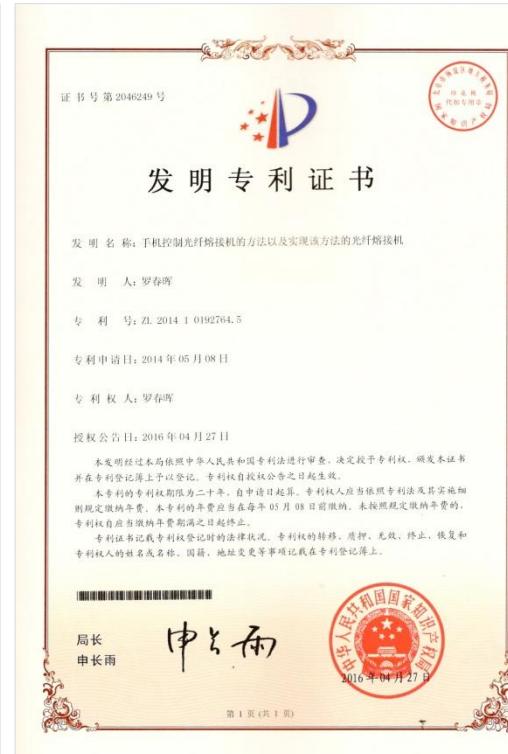
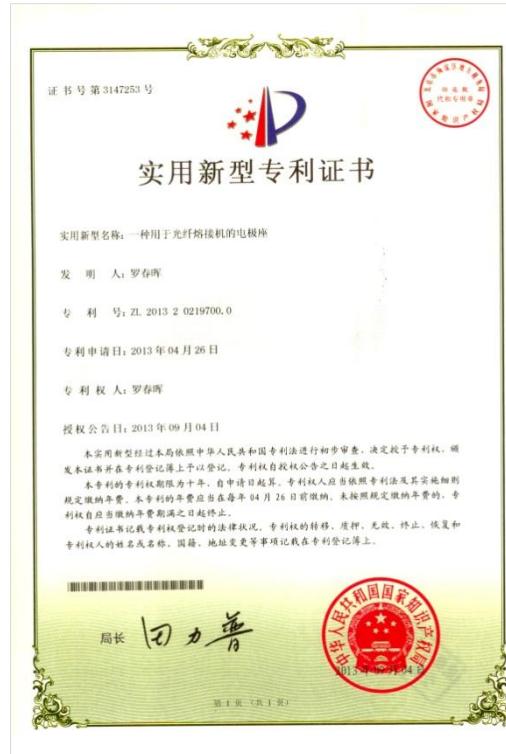
EXHIBITION PHOTOS



INTELLECTUAL PROPERTY



We obtained PCT patents, 8 invention patents, 16 utility model patents, and 2 appearance patents.



SERVICE COMMITMENT

Five years warranty, but these circumstances are not within the scope of this provision.

- 01.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. Also electrodes are consumption material which are not in the warranty.

- 02.Battery and power adapter are warranty for one year, it is in free warranty where it is damaged or can not be charged in one year.