



OPTICAL FIBER FUSION SPLICER



NEW PRODUCT LAUNCH CLASSIC MASTERPIECE

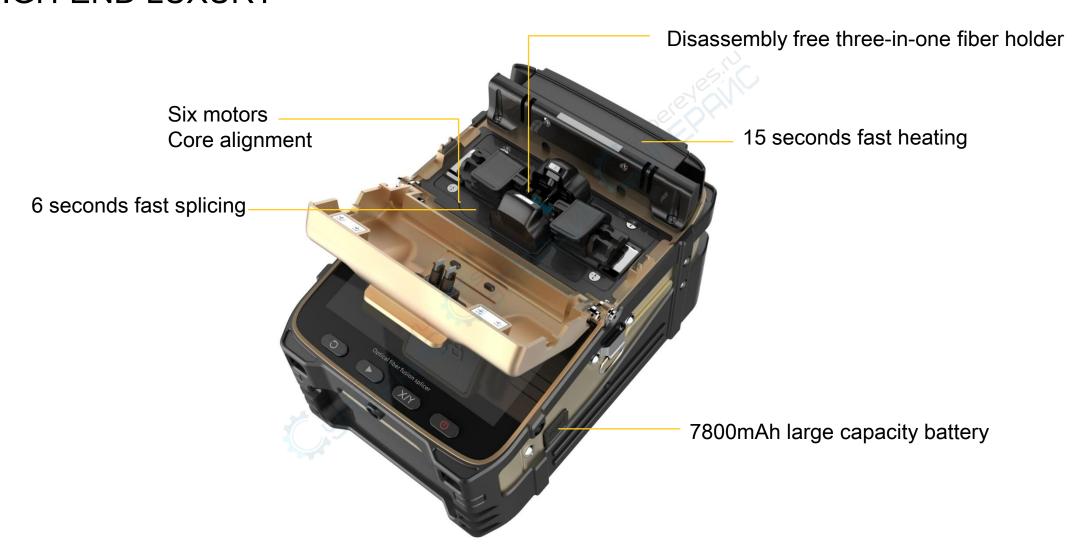




Signal Fire AI-8C use the latest core alignment technology with auto focus and six motors, it is a new generation of fiber fusion splicer. It is fully qualified with trunk construction of medium and short distance, FTTH project, security monitoring and other fiber cable splicing projects. The machine uses industrial quad-core CPU, fast response, is currently one of the fastest fiber splicing machine in the market; with 5-inch 800X480 highresolution 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. 6 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





METAL BODY AESTHETIC DETAILS



26 patent results

Automatic heating

5 inch display Simultaneouslyalign fibers Loss display

Protective case



300 times magnification auto focus

METAL BODY AESTHETIC DETAILS







THE TOOLBOX

Signal file OPTICAL FIBER FUSION SPLICER

COMES WITH A STOOL TO FACILITATE THE CONSTRUCTION WORKERS.





Stool can bear 100KG







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

Fiber cleave operator station





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

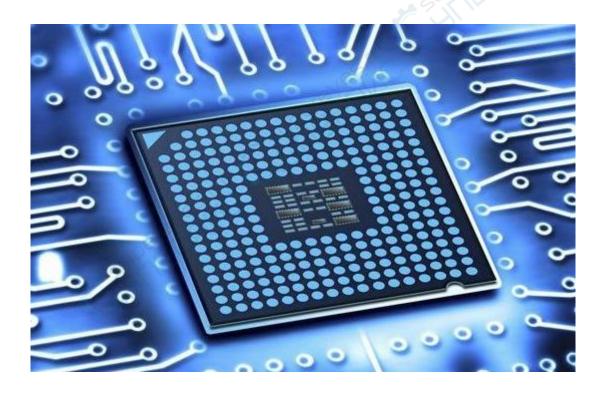
Avoid the use of outdoor construction mobile phones without electricity





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 ≤ 3.5 hours/continuous splicing and heating about 240 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	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 ≤ 3.5 hours, continuous splicing and heating about 240 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 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



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



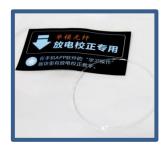
Miller stripper



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.























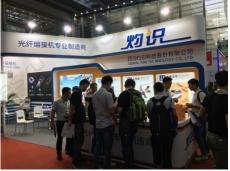




EXHIBITION PHOTOS

















EXHIBITION PHOTOS





INTELLECTUAL PROPERTY











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

	专利合作条	约
	PCT	
	国际检索报告 (PCT 第 18 条和短则 43 和	44)
申请人或代理人的档案号 LZP18005	关于眼镜 见 PCT/ISA/220 表和 行 为 适用时,见下面第 5 项	
国际申请号 PCT/CN2018/096816	関係申請日 (日/月/年) 16.7 月 2018 (16.07.2018)	(最早的)优先权日(日/月/年)
中诸人	you s	
本国际检索报告总计5页。	數据告由本国际检查单位健由并进交 目的各項有技术文件的部本。	中请人。报告部本进交回际局。
1. 报告的基础 a.关于语言,进行国际 図 国际申请提交时 □ 该国际申请的 12.3(a)和23.1(b)),	使用的语言。	的目的提供该种语言的译文(维则
b.□ 本国际检索报告 (推则43.6之二(a))。	考虑了本单位许可级被通知的根据 公开的任何核苷酸和/或氨基酸序	
 某些权利要求被 缺乏发明的单一 	认为是不能检索的(见第 II 栏)。 性(见第 III 栏)。	
 4. 关于发明名称。 ☑ 同意申请人提出 □ 发明名称由本单 	的发明名称。	
 关于嫡要, □ 同意申请人提出 ○ 根据细则 38.2(b) 一个月內,申请人可以向本 6、关于附图, 	, 摘要由本单位制定, 如第 IV 栏中	所示。自本国际检查报告发文日起
	议的。 的,因为申请人没有建议一幅阳。 的。因为该图能更好地表示发明的	









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.