AI-6A

OPTICAL FIBER FUSION SPLICER

Six motors

Core alignment

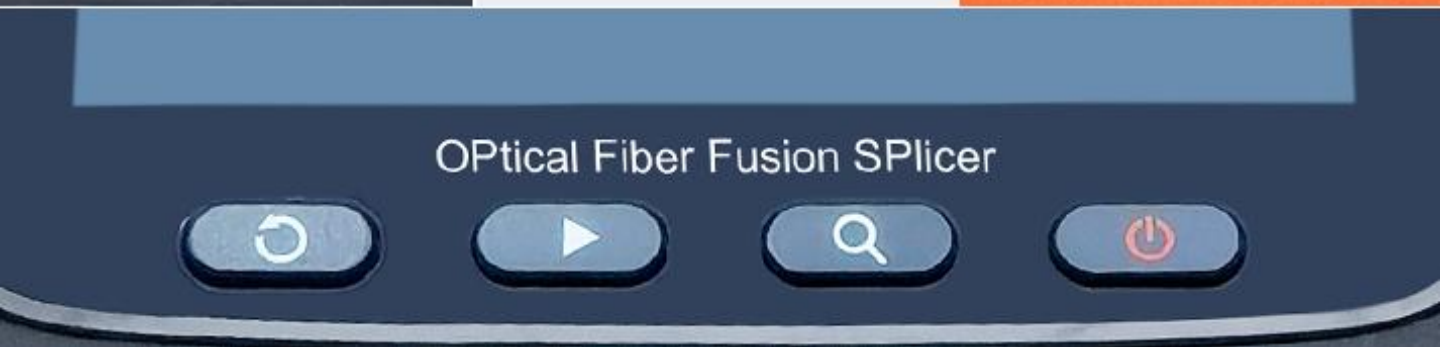**8s** 8 seconds fast splicing

18s 18 seconds fast heating

320 320 times magnification auto focus

Automatic heating

Disassembly free three-in-one fiber holder

5 inch TFT color display

RESET

CONTINUE

MAGNIFICATION KEY

POWER METER AND OPTICAL MODULES SWITCH

5200mAh Lithium Battery

LED Light

Protective Case

Charging Port

Can charge the phone

EXQUISITE DETAILS

signal fire

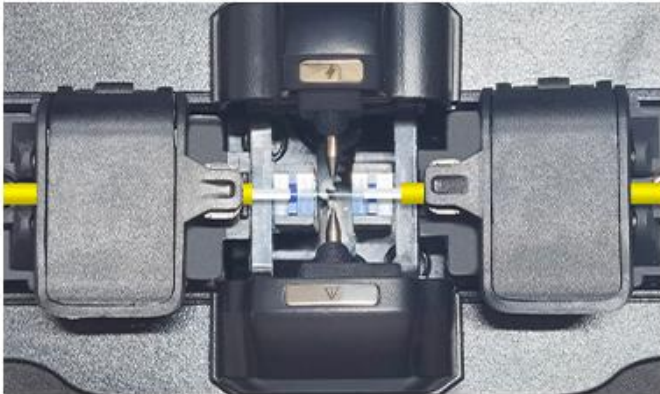OPtical Fiber Fusion SPlicer

Industrial quad-core chip CPU

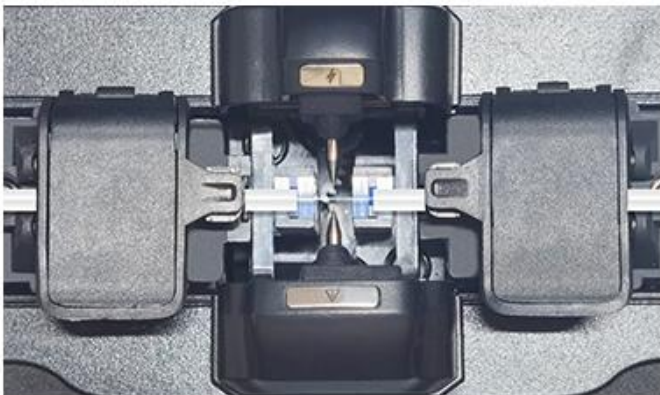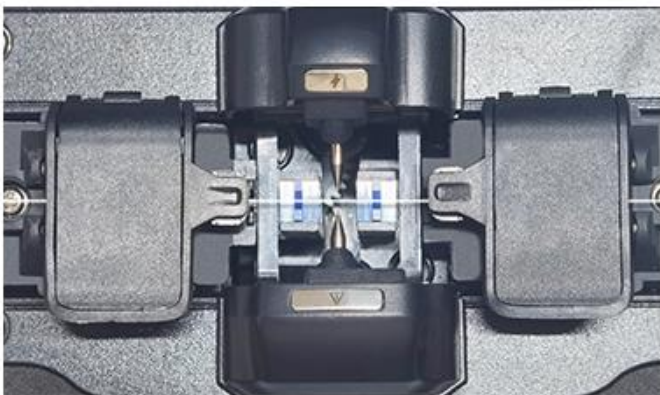1 second startup will enter the working state without waiting

3 in 1 fiber holder

Jumper fiber (pigtail)

Drop cable

Bare Fiber

BATTERY CHARGING
"New upgrade"

5200mAh lithium battery

Dual charging path

Even if a fault occurs, another channel can be used for charging

Charging channel ①

Charging channel ②

Charging method III

Press to popup the battery

- Charging time ≤3.0 hours;
- In full state, 160 cores can be continuously fused and heated

Charging mouth
Input
voltage :13.5±0.5V
Input current :4.8A

Power indicator light

Charge indicator light

Press to check the power level

ELECTRICITY

PUSH

Dust prevention
fall prevention
shock prevention

Thickened buffer structure

Don't be afraid to knock! Touch! Fall!

Lighting for splicer

Convenient for night operation

Can charge the phone

Basic parameter

Fiber alignment	Core/cladding
Motor number	6 motors
Splicing time	8s
Heating mode	18s，can be customized according to the external environment
Fiber type	Single-mode fiber (SMF/G.652), BIF/G.657); Suitable for single mode, multi-mode, bare fiber, tail fiber, drop cable, jumper, invisible fiber fusion;
The cladding diameter	80-150 µm
Splicing loss	0.02dB（SM）、0.01dB（MM）0.04dB（DS/NZDS）
Splicing mode	Automatic focusing core alignment, conventional/high precision welding
Splicing way	Automatic, semi-automatic
Fiber holder	Three in one fixture, no need to change, suitable for single/multi-mode, multi-core cable/bare fiber, tail fiber, jumper fiber,drop cable
Battery capacity	5200mAh large capacity lithium battery charging time ≤3.5; It can continuously weld and heat about 160 cores
Magnification	320x (X or Y axis single display)，200x (x and Y axis dual display)
Fiber diameter	Coating diameter: 80-150µm/Coating diameter: 100-1000µm
Cutting length	Coating layer 250µm below: 8-16mm/coating layer 250-1000µm: 16mm
Heat shrink tube	60mm、50mm、40mm、25mm
Tensile testing	standard 2N
display	5 inch TFT color display screen
External lighting	USB port can be connected with EXTERNAL LED light, convenient for night construction
Charge mobile device	The USB port can charge mobile devices such as mobile phones
Boot time	1s, boot can enter the working mode
Data is stored	Unlimited, machine storage 1000 groups, the excess part can be stored in the server, can export data.
Wireless communication	Based on bluetooth 4.2 protocol standard, the working band is 2.4GHz, the maximum transmission range is 60m
Software upgrade	Mobile phone APP Internet update, enable Bluetooth synchronization upgrade machine software
Management function	The equipment owner can be bound as the highest authority, and can remotely view the welding records, welding time, loss, etc. through the mobile phone APP. The number of welding times or working time of the equipment can be set. The manager can effectively manage a single or multiple equipment.
interface	USB2.0 (Type A) can be used to connect external LED lights and charge mobile devices
Return loss	Better than 60 db
Product protection	Waterproof, dustproof and fall proof
Power supply	Input AC100-240V 50/60Hz, output DC13.5V/4.8A, the current power mode can be identified, real-time monitoring of the current battery level
The work environment	Temperature: -15 ~ +50℃, humidity: < 95%RH (no condensation), working altitude: 0 ~ 5000m, maximum wind speed: ≤15m/s

Accessories in the tool box

S07
Fiber Cleaver

Strap

User's manual
Quality Certificate
Warranty Card

Fiber for ARC
calibration

AI-6A

Wire stripping pliers

Miller stripper

Alcohol Bottle

Brush

Power Adapter

Size and wight

122mm
135mm
198mm

Machine weight
2.10kg (with battery)
1.68kg (without battery)

Toolbox weight
4.70kg (including machine and accessories)

175mm
380mm
275mm

OPTICAL FIBER FUSION SPLICER

235mm
400mm
300mm

Total weight
5. 50kg

SERVICE COMMITMENT

Three 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.

Signal Fire Technology Co., Ltd. is a high-tech joint-stock enterprise specializing in the research and development, production, and sales of communication equipment, with a registered capital of 10 million. It is a national high-tech enterprise. Our main products include fiber optic fusion splicers, electric fiber cleaver, OTDR (Optical Time Domain Reflectometer), and 8-in-1 optical fiber stripper. They are widely used in the construction, maintenance, emergency repair, security monitoring, and research and teaching of optical cable lines in telecommunications, mobile, China Unicom, radio and television operators, post and telecommunications, railway, engineering companies, and public institutions.

The factory is located in Chengdu High tech International Enterprise Port, with a modern production factory and standardized office buildings. We have passed the ISO9001 international quality management system certification, and our products have passed the EU CE, ROHS.International certifications such as FCC in the United States and UKCA in the United Kingdom have been passed by the National Institute of Quality Supervision and Inspection, China Academy of Information and Communications Technology.

The qualified testing of Taier Laboratory has obtained nearly a hundred domestic and international patents at the same time. The "Signal Fire" series products have been sold to over 100 countries and regions including North America, South America, Europe, Africa, and Asia, and have received unanimous praise from customers.
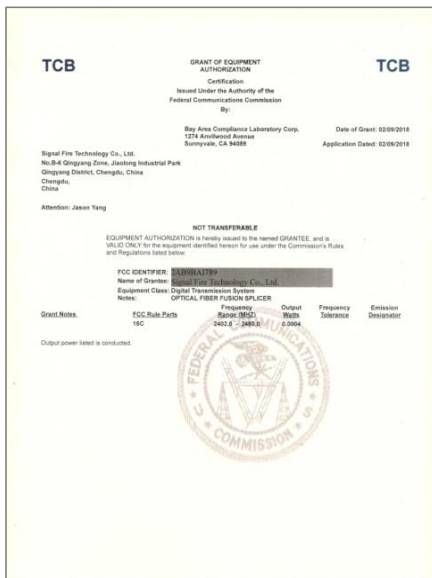
Exhibition photos
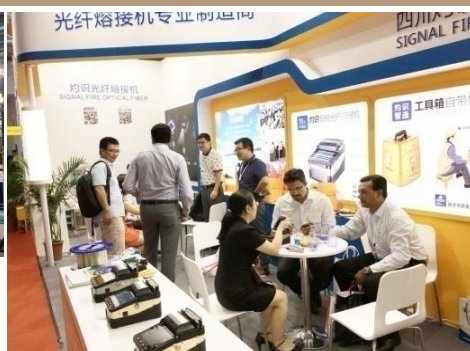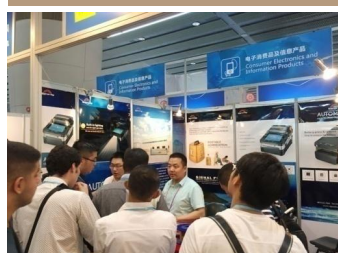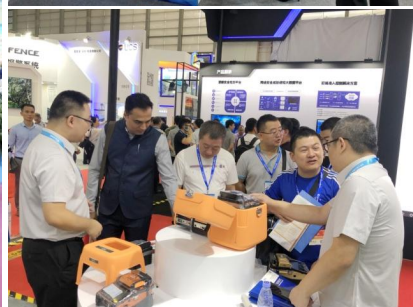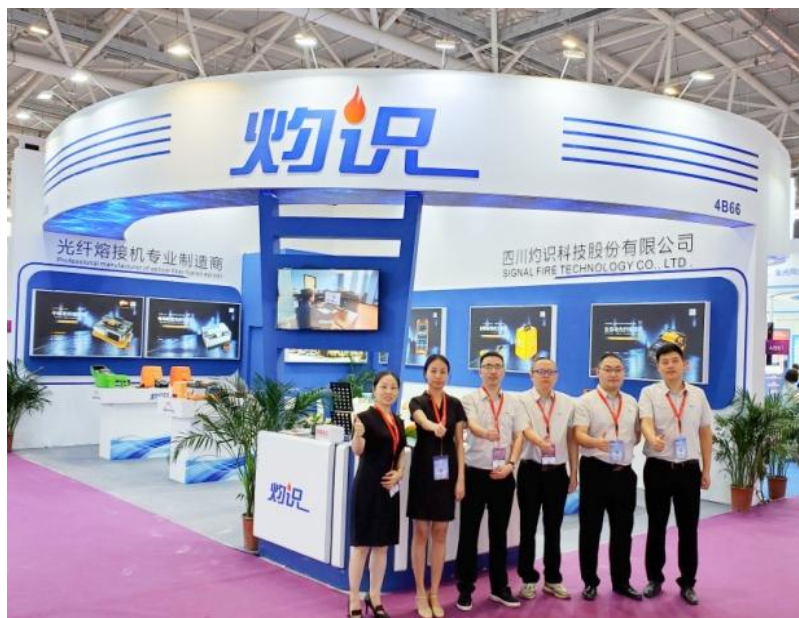
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Signal Fire Technology Co., Ltd. has passed the ISO9001 international quality management system certification. The product has passed international certifications such as the CE, RoHS, the United States FCC, and UKCA in the United Kingdom, and passed the qualified test through National Quality Supervision Institute, China Xintong Institute, and Tel Laboratory. At the same time, we obtained nearly 100 patents.

CERTIFICATE Of Conformity — Directive 2014/53/EU — On The Radio Equipment Directive — Anbotek Product Safety — Shenzhen Anbotek Compliance Laboratory Limited

CERTIFICATE Of Conformity — Radio Equipment Regulations 2017 (SI 2017 No. 1206) — Anbotek Product Safety — Shenzhen Anbotek Compliance Laboratory Limited

TCB — GRANT OF EQUIPMENT AUTHORIZATION — Signal Fire Technology Co., Ltd.

QUALITY MANAGEMENT SYSTEM CERTIFICATE — SIGNAL FIRE TECHNOLOGY CO., LTD. — GB/T19001-2016/ISO9001:2015

INTELLECTUAL PROPERTY

第 12953869 号

TMZC12953869D01T150210

商 标 注 册 证

Signalfire

注 册 人　四川灼识科技股份有限公司

注册人地址　四川省成都市青羊区蛟龙工业港青羊园区B-6号

注 册 日 期　2015年01月14日　　有 效 期 至　2025年01月13日

局　　长　许瑞表　　发证机关

商标局

EUROPEAN UNION INTELLECTUAL PROPERTY OFFICE

AMT DER EUROPÄISCHEN UNION FÜR GEISTIGES EIGENTUM

21	015014933-0001
25	EN - DE
22	17/03/2023
15	17/03/2023
45	21/03/2023
11	0150014933-0001
72	LUO, Chunhui
73	SIGNAL FIRE TECHNOLOGY CO., LTD.
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74	Lermer/Raible Patent- u. Rechtsanwalts PartGmbB
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	D-80336 München
	ALEMANIA
51	08 - 05
54	**BG** - Клещи за зачистване и оголване на кабели
	ES - Pelacables
	CS - Nástroje na odizolování drátu
	DA - Afisoleringstænger
	DE - Isolierzangen
	ET - Tangid juhtme pealiskihi eemaldamiseks
	EL - Απογυμνωτές καλωδίων
	EN - Wire strippers
	FR - Pinces à dénuder
	IT - Pinze spelafilo
	LV - Knaibles vadu galu tīrīšanai
	LT - Laido izoliacijos nuėmikliai
	HR - Kliješta za skidanje izolacije
	HU - Kábelcsupaszítók
	MT - Tnalji li jqaxxru l-wajers
	NL - Draadstrippers
	PL - Narzędzia do usuwania izolacji z drutu
	PT - Alicates de descarnar fios
	RO - Cleşti pentru dezizolarea cablurilor
	SK - Odizolovacie kliešte
	SL - Kleše za snemanje izolirnega traku iz žice
	FI - Kuorintapihdit
	SV - Skaltänger
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