

NEW
Product
LAUNCH

AI-20

THE FOURTH GENERATION TRUNK LINE OPTICAL FIBER FUSION SPLICER

Built-in high precision

Delay return electric one-step fiber cleaver



Accurate of fiber alignment :0.1 μ m

Full link integration design

Highly integrated

The AI-20, the fourth generation fiber fusion splicer developed by Signal fire, is the latest generation of fiber fusion splicer designed for full link integration. It combines Signal fire's latest research and development of a delayed return electric one-step cleaver with fiber fusion splicing, while integrating OPM and VFL functions. Combined with a nine in one signalfire fiber stripper, a combinable workbench and worktable, it truly becomes a compact, lightweight, and easy to operate fiber fusion splicer, which will greatly improve your work efficiency.



SIX MOTORS

FIBER CORE
ALIGNMENT

6S SPLICING



15S HEATING

WITHIN OPM
FUNCTIONWITHIN VFL
FUNCTIONDELAY RETURN ELECTRIC
ONE-STEP FIBER CLEAVERSIGNAL FIRE
STRIPPER

Humanized design meets different Construction environments



Compact and portable



Climbing high is also easy



Bench+support platform



Can be used as a bench



Host support /protection console



Equipped with signal fire stripper

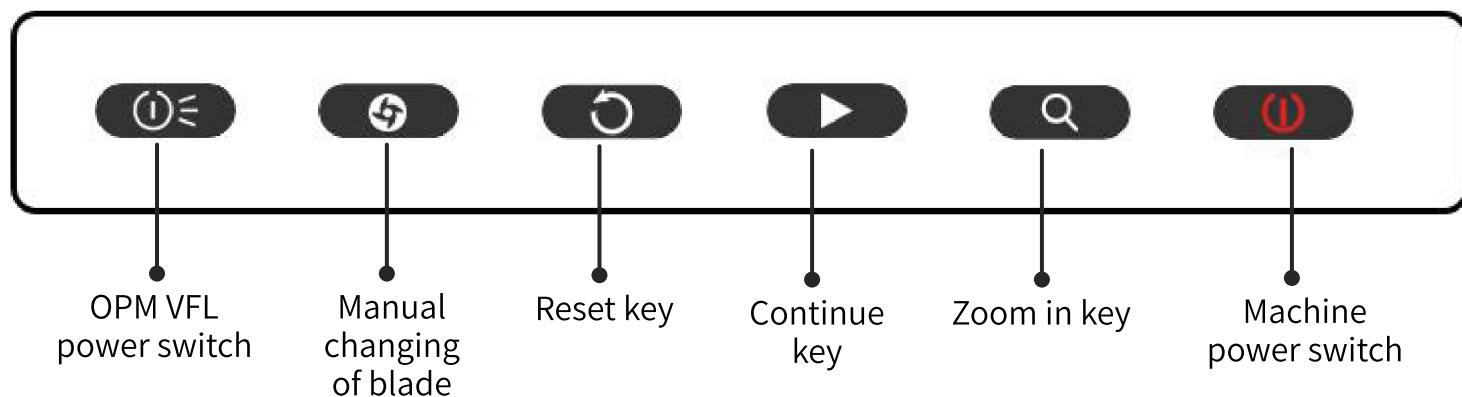


Signal fire AI-20 fusion splicer applies multiple of the latest patented technologies of Signal fire, and adopts a more advanced central processing unit, more advanced algorithms, and higher precision cameras. The weight of bare machine, tool case and complete set of accessories only 4.5kg, size of tool case is 25.5cmx16.5cmx23cm. In such a compact and compact situation, the combination design of workbench and bench has been achieved simultaneously. 1 second startup, 6 seconds rapid fusion, 15 seconds heating, 5-inch color high-definition LCD screen, 320x magnification, 7800mAh large capacity lithium battery can fuse and heat 240 cores, still performs well in harsh environments such as high altitude, dry, and cold.

Exquisite craftsmanship High standard design

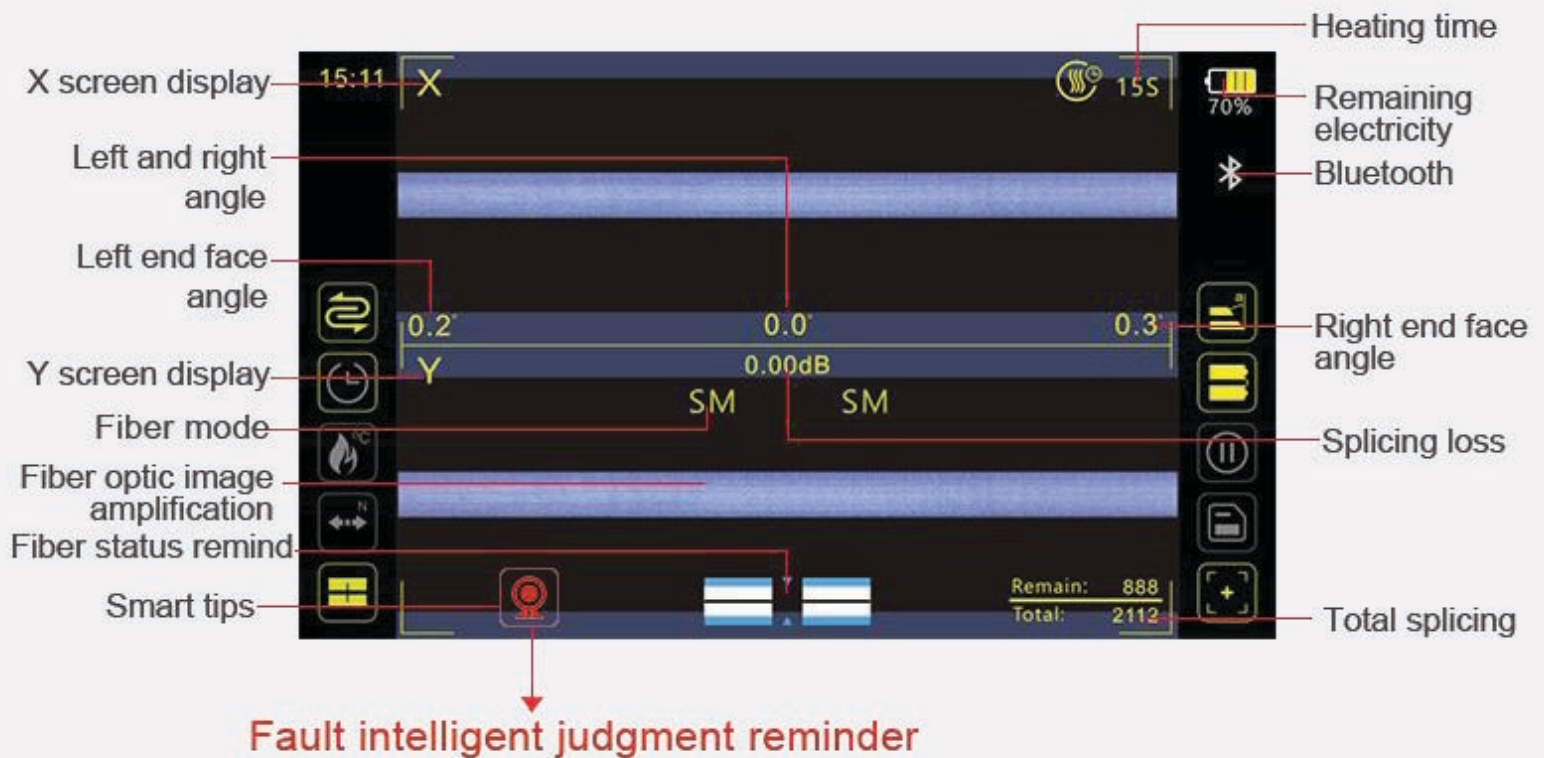


The buttons are clear and beautiful



Display 5 inch TFT color display screen

320X (X or Y axis single display) 200X (X and Y axis dual display)



Camera failure



Core align failed



Focus failed



ARC calibration failed



Left and right fiber does not match



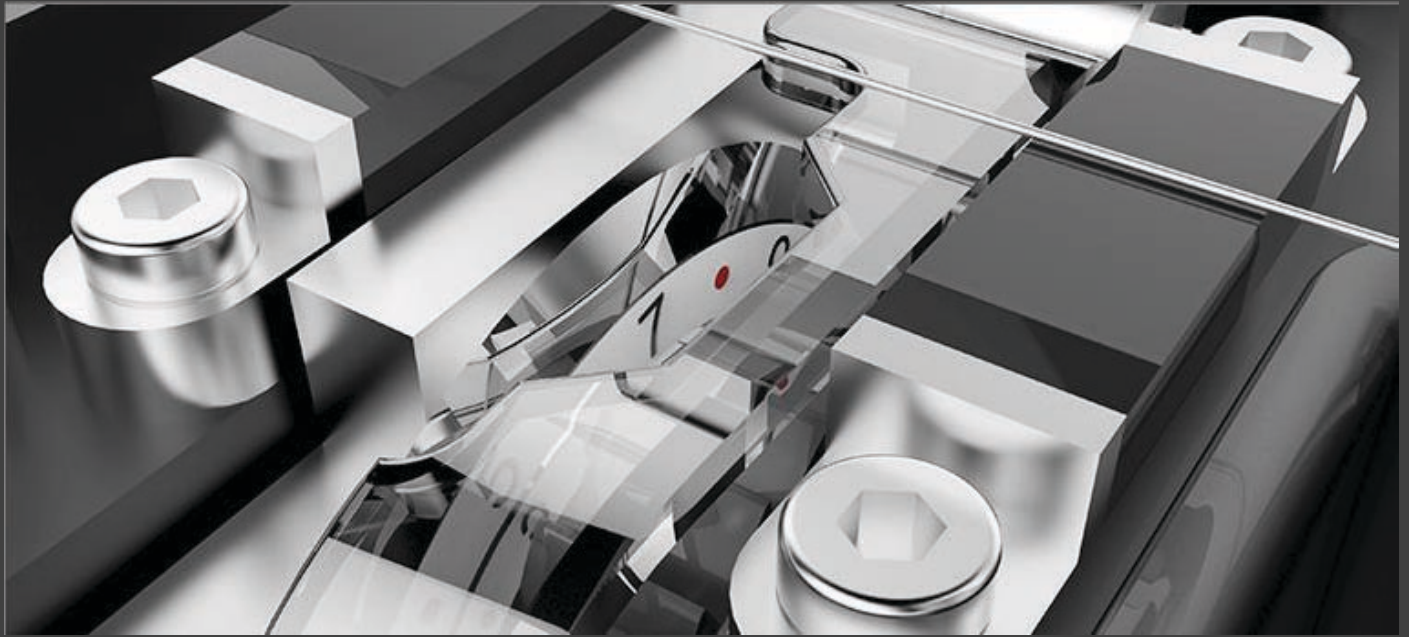
The lens is foggy or foreign body interference

Built-in high precision delay return electric one-step fiber cleaver



Signal fire new generation fiber fusion splicer has significantly reduced the actual weight and volume of the entire equipment by reducing auxiliary tools and improving the automation level, ultimately achieving a true improvement in fusion quality and efficiency. This is the fourth generation fiber fusion splicer that we first launched, and the core is full link integration design, highly integrated.

Blades surface automatically manually change delayed cleaver return



AUTOMATIC CHANGE

Cleaver blades surface automatically change when the current cutting point cut fiber more than 1000 times and continuously shown three times unqualified cutting results.

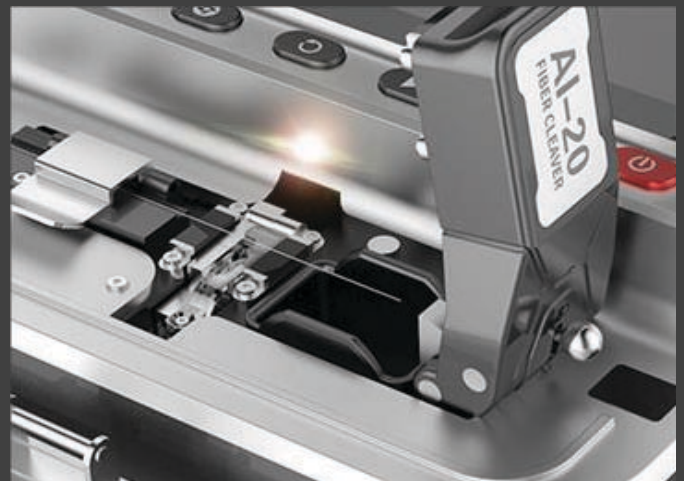
MANUAL CHANGE

Manual button operation, cleaver blades surface will change. Cleaver has 24 cutting points in total, current cutting point cut numbers, blades total cut numbers, Available within the APP.



AUTOMATIC DELAYED CLEAVER RETURN

Perfectly solves the problem of traditional mechanical one-step cleaver back cutting scratching the fiber end face. The factory standard delay time is set to 0.5 seconds, and the adjustable range is 0.2 seconds to 2 seconds.



CLEAVER LED AUXILIARY LIGHTING

Brightness can be adjusted through APP.

APP Bluetooth connection

< System parameters Save

Blade change stroke

40

Value range 10 ~ 100

Cutter face change stroke

30

Value range 10 ~ 100

Cutting speed

1

Value range 1~5

Return blade delay

500

ms

Value range 200 ~ 2000ms

Blade usage details and rotating blade face

>

Replace the blade

>

How to adjust blade height

>

LED brightness adjustment

0

20

40

60

80

100

III

< cutter setting

Total number of cuts 12598

Number of times the current blade has been used: 2610

Current point: 5

Built-in VFL and OPM function

Measure fiber link loss/luminous flux
Fiber line tracking, breakpoint/light leakage detection



OPM(Measurement
range: -50+30dbm)

VFL(10km)

OPM

Switch between ten states

Wavelength: 850nm、1300nm、1310nm
1490nm、1550nm、1625nm、980nm
1270nm、1577nm、1650nm

VFL

Switch between three states

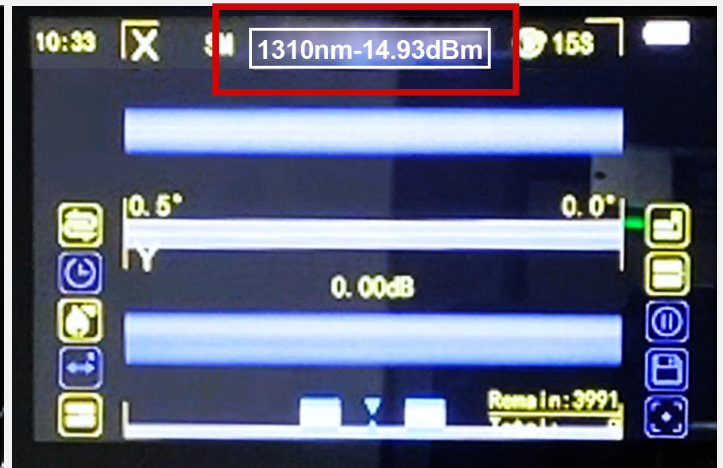
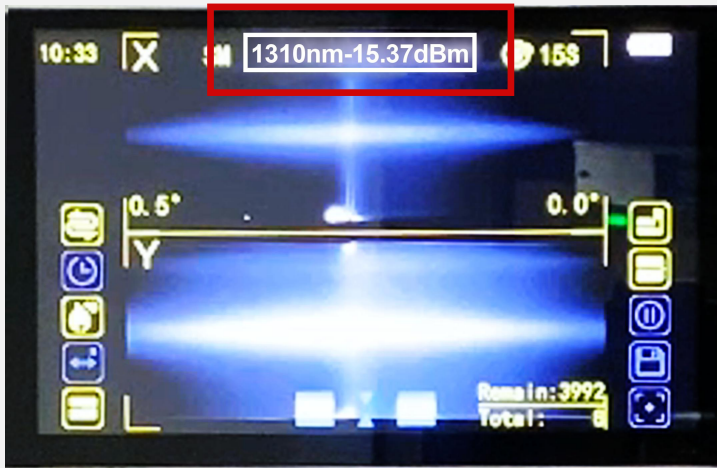
power: 15mW, 2Hz flashing and steady on mode

Real-time luminous flux assisted alignment

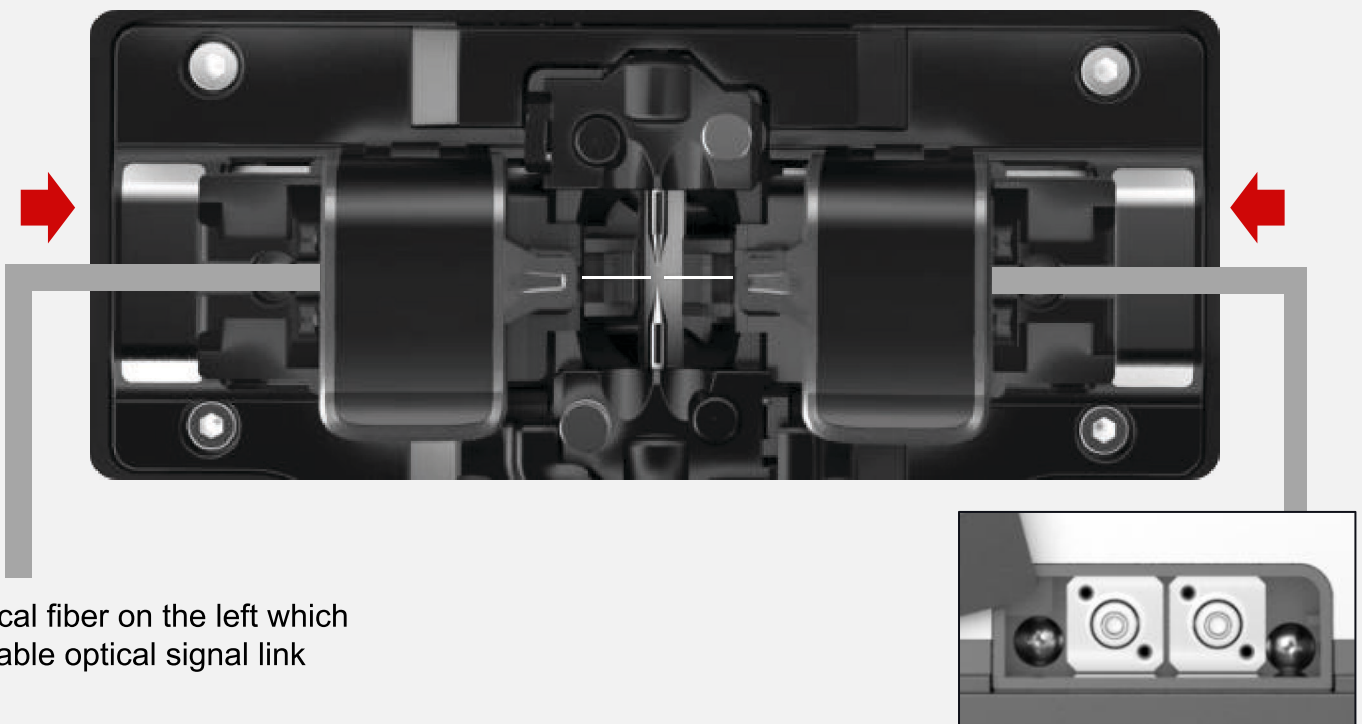
Only applicable to environments with stable optical signal link from front

Intelligently analyze the alignment point with the lowest splicing loss and then splice the fiber

Splicing is completed



Real-time luminous flux assisted alignment technology developed by Signalfire, which intelligently analyzes the alignment point with the least loss to minimize the fiber fusion loss.



Optical fiber on the left which is stable optical signal link

Optical Fiber on the right with fast connector which has plugged to OPM Port

Equipped with signal fire stripper



A GOOD STRIPPER NINE FUNCTIONS

- kevlar scissors
- Three-port Miller stripper
- 5G FTTH Drop cable
- Both regular FTTH Drop cable
- FTTH Drop cable steel wire pliers
- Rotary ruler
- Cleaning cotton

Signal fire stripper

5G FTTH Drop cable

Caliber: 2mm x 1.6mm

Both regular FTTH Drop cable

Caliber: 3mmx2mm

Rotary ruler

FTTH Drop cable steel wire pliers

Can not cut FRP steel wire/else steel wire
Blade maybe will scratch and have trace,
It's normal and will not influence you to use it
If you are care about this, Then please buy with cautions.

kevlar scissors

(prohibit cutting steel wires)

Three-port Miller stripper

Cleaning cotton



7800mAh lithium battery

Dual charging path

In full state, 240 cores can be continuously fused and heated

Charging channel ①

Input voltage : $13.5 \pm 0.5V$

Input current : 4.8A

Power indicator light

Charge indicator light

Indicator light turns off when fully charged

Press to check the power level

Press to popup the battery

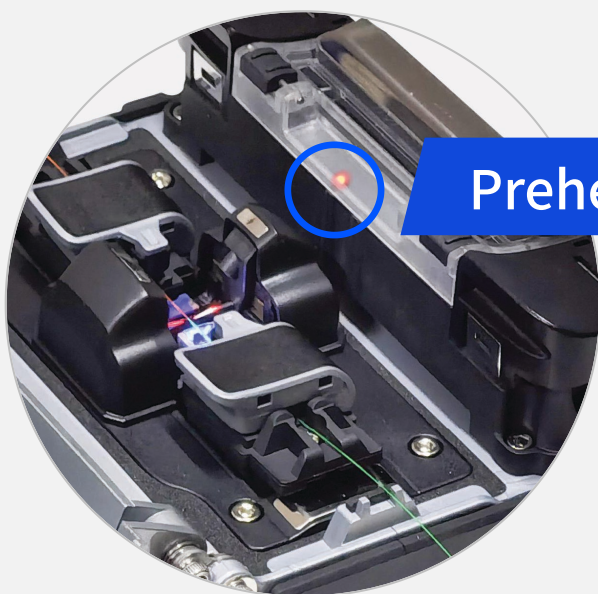
Press the button and the battery will pop up slightly Can charge the battery separately

Charging channel ②



Charging time ≤ 3.5 hours

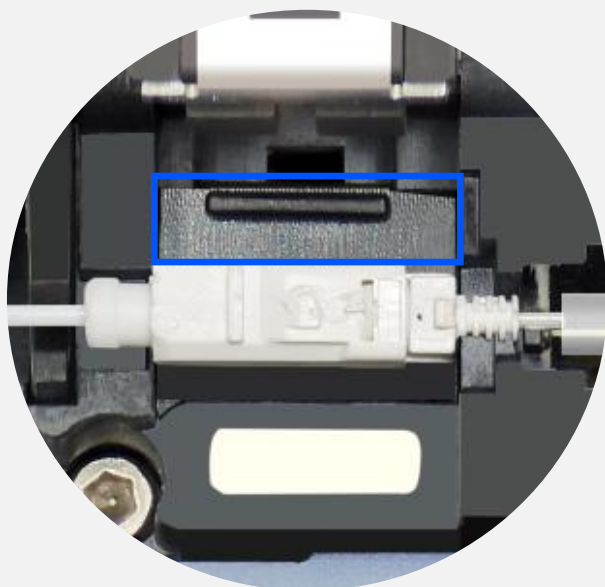
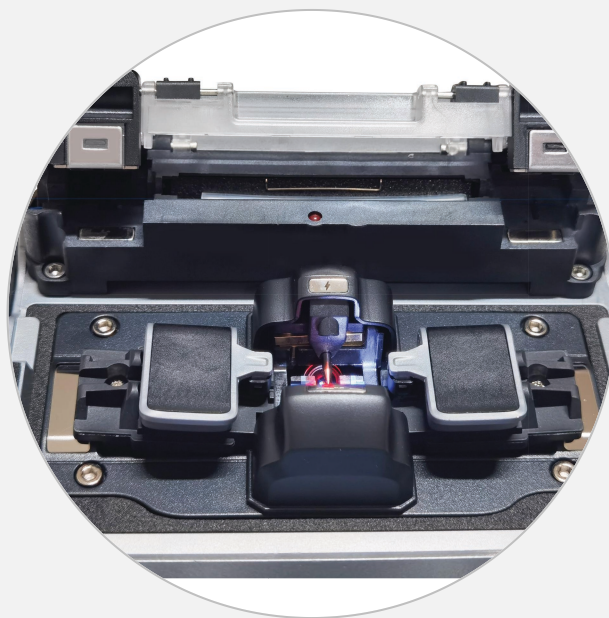
15S automatic heating



Preheating

Successful fiber spliced. When opening the windproof cover to take out the fiber, the machine turns on pre heating for up to 6 seconds

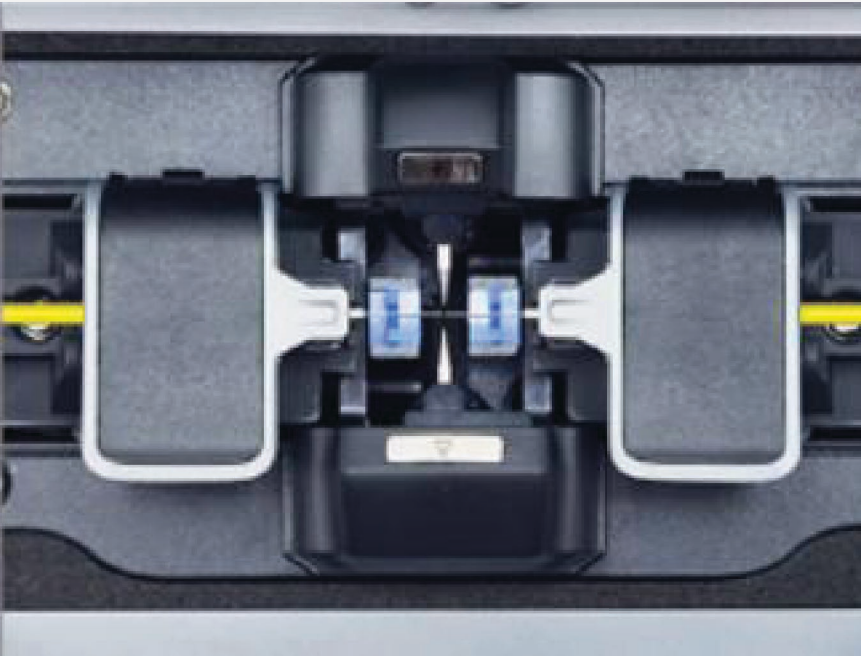
Heating part automatic lid closing



Heating part compatible with SC fiber

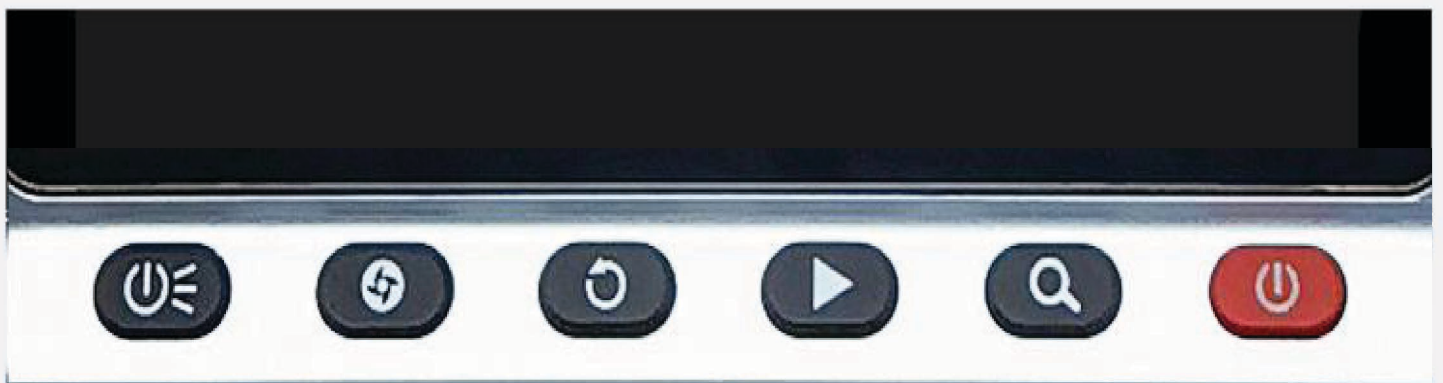
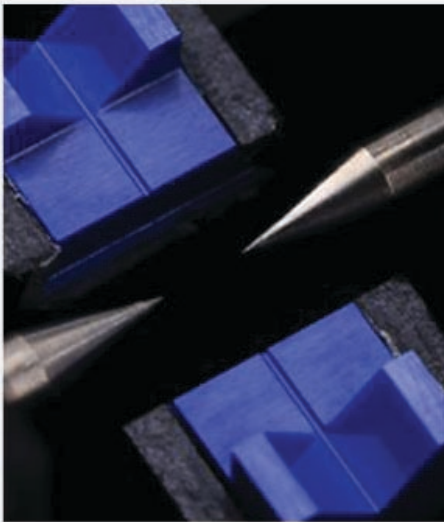
SC Fiber: Push up

Ordinary fiber: Push down



3-IN-1 UNIVERSAL FIBER HOLDER

SM, MM, bare fiber, pigtail,
Drop cable , multi fiber cable



EXQUISITE DETAILS

THE BUTTONS ARE CLEAR AND BEAUTIFUL

COOLING RACK EXPANDABLE AND CLOSABLE



ULTRA THICK PROTECTIVE RUBBER PAD

Thickened buffer structure
provides maximum protection

Outdoor fiber splicing

Compact and portable



Bench+support platform



Compact and portable



Combination hanging chain
Climbing homework



Compact and easy to carry

10 languages available

Multilingual Settings, covering the global market



Chinese



English



French



Russian



Italian



Portuguese



Polish



Spanish



Thai



Arabic

Exported to nearly 100 countries and regions worldwide

Get unanimous praise from customers!



Basic parameter

Fiber alignment	Core/cladding; Real-time luminous flux assisted alignment (Only applicable to environments with stable optical signal link from front)
Motor number	6 motors Accurate of fiber alignment :0.1μm
Splicing time	6s
Heating mode	15s, 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 optical fiber.
The cladding diameter	80-150μm
Splicing loss	0.02dB (SM) 、 0.01dB (MM) 0.04dB (DS/NZDS)
Splicing mode	Automatic focusing core alignment, conventional/high precision splicing
Splicing way	Automatic, semi-automatic,manually
Fiber cleaver	High precision delay return electric one-step fiber cleaver
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
VFL	The machine comes with power: 15mW, 2Hz flashing and steady on mode
OPM	Wavelength: 850nm、 1300nm、 1310nm、 1490nm、 1550nm、 1625nm、 980nm、 1270nm、 1577nm、 1650nm/Measurement range: -50+30dbm Absolute error: <0.3dB (-50dbm ~+3dBm range)
Battery capacity	7800mAh large capacity lithium battery charging time ≤3.5 hours; It can continuously weld and heat about 240 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
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 splicing records, splicing time, loss, etc. through the mobile phone APP. The number of splicing times or working time of the equipment can be set. The manager can effectively manage a single or multiple equipment.
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°C, humidity: < 95%RH (no condensation), working altitude: 0 ~ 5000m, maximum wind speed: ≤15m/s

Accessories in the tool box



- ① Toolcase ② Fusion splicer ③ Spare electrode ④ signal fire stripper
(Including a bag of cleaning cotton)
- ⑤ Alcohol bottle ⑥ Cleaver cleaning cotton swab ⑦ Allen wrench ⑧ Brush
- ⑨ Climbing combination hanging chain ⑩ Toolbox strap ⑪ Belt ⑫ Power adapter
- ⑬ User's manual / Quality Certificate / Warranty Card / Fiber for ARC

Size and weight

**Machine size**

165mm x 255mm x 185mm

Machine weight

3.09kg

**Toolbox size**

165mm x 255mm x 230mm

Weight of toolbox**(complete set)** 4.50kg**Total size**

340mm x 255mm x 325mm

Total weight

5.50kg

SERVICE COMMITMENT

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

01. Except for the cleaver, Signal fire stripper, 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.

03. Electrodes are consumables, the service life of each pair of electrode is 4000 times.



Bluetooth Connection

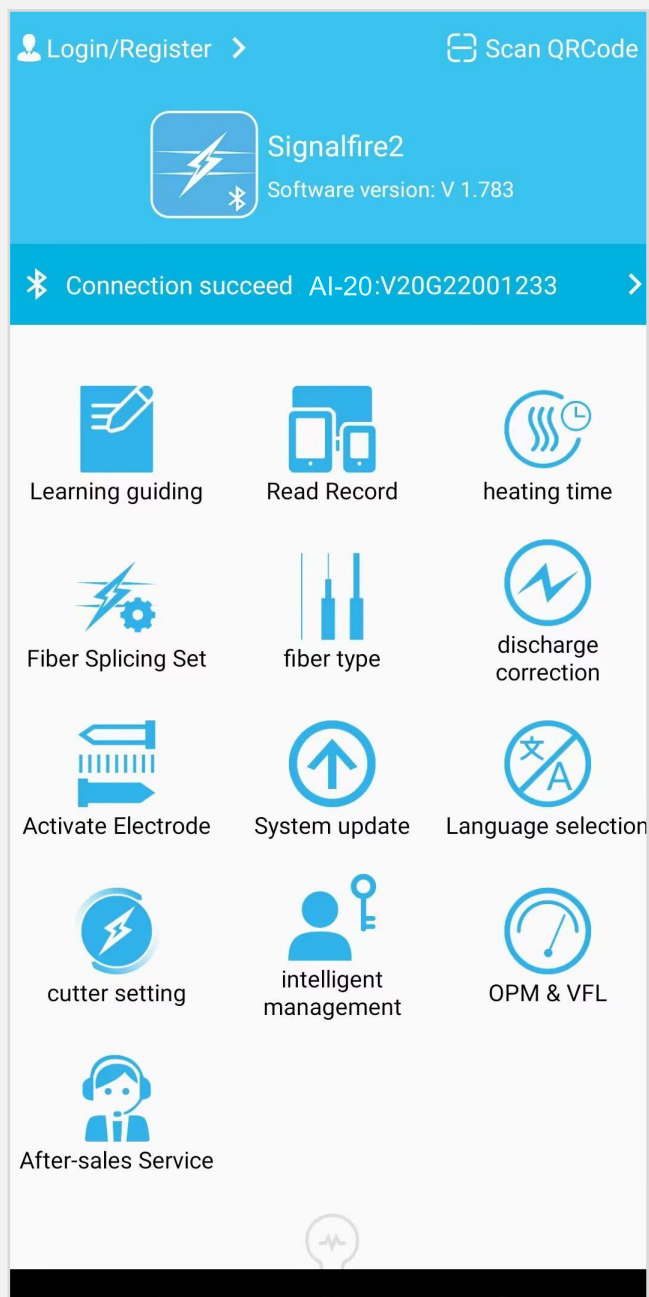
Establishing wireless communication through Bluetooth technology to achieve data transmission



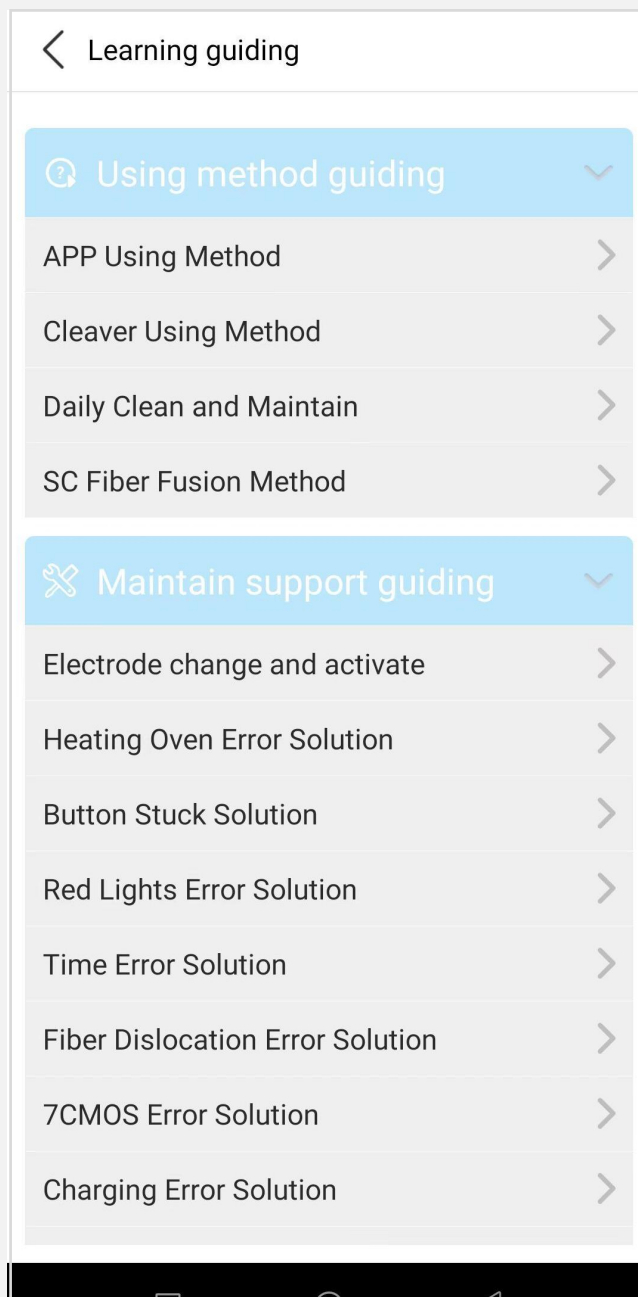
- Welding record can be read through mobile phone, and the data can be exported;
- You can set the parameters of the welding machine, such as selecting the machine language, changing the heating time, selecting the fiber optic alignment mode, etc;
- You can manage the welding machine, such as setting the use time of the machine, welding times, etc;
- Upgrade the phone APP, bluetooth connected to the machine to upgrade the machine software;

Intelligent interaction, avoid tedious

Scan the QR code of the welding machine startup screen to download the Mobile APP. The phone connects to the splicer via Bluetooth.



APP main interface



Learning guidance interface

< Function configuration

Fiber tensile test ☐

Splice process pause ☐

Splice wrong image ☐

Auto focus ☒

Power off after standby ☒

Standby time 10 Minute >

Power off voice ☒

Buzzer ☒

Screen brightness control (lower brightness, you can save power)

0 20 40 60 80 100

SAVE QUERY

Energy saving mode

Automatic shutdown of the machine without any action within the set time

Buzzer 1 Minute

Screen brightness control (lower brightness, you can save power) 2 Minutes

5 Minutes

10 Minutes

Cancel

After it is opened, there will be voice prompt in the whole process from fiber laying, fiber matching, welding and loss value. In case of unqualified items, it will be directly informed.

Adapt to bright light, dark and other different outdoor environment

< Splicing record More

Cumulative fusion times: 0 times

Machine: AI-20 :V20G22001233 ▼

Specify user: all ▼

View by time: 4 times

2024-09-01 — 2024-09-30

serial number	Splicing loss	Time	Weld image
1	0.00	2024-09-30 18:43:39	
2	0.01	2024-09-30 18:42:33	
3	0.01	2024-09-30 18:41:25	

Splicing records can be downloaded and exported

Unlimited storage of splicing records
Can be viewed on mobile devices

Unconnected device >

中文 (简体)	Auto-detection
English	English ✓
Português	Русский
Français	Español
Русский	Italiano
Español	Português (Brasil)
Polski	Português
ไทย	Indonesia
عربي	Polski
Italiano	Français
	عربي

Fusion splicer language/ mobile app selection

< heating time

Pre-heat model ☒

Choose shrinkable tube Customize >

Set heating time 15 s

Preheating mode: The welding is completed. When the windshield is opened, the heater is heated in advance for 6 seconds. Turning on the preheating mode can appropriately reduce the heating time of the heat shrinkable tube to improve efficiency.

Note: In winter or low temperature, heating is not ideal, and the heating time can be

Heating time customization

Extreme cold/high temperature can be extended or shortened appropriately

< cutter setting System parameters

Cutting length 13.0mm >

Cutting type Automatic identification >

Automatic cutting OFF ☒ ON

Replace the blade >

Tension automatic correction
This function can be turned off when the automatic correction function is turned on and the ideal cutting length cannot be reached. ON ☒ OFF

LED brightness adjustment 0 20 40 60 80 100

Cutter usage tutorial >

Common problems and solutions >

Clean cutter >

Factory settings >

Cutting times:72

Cleaver Parameter setting /adjustment



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 9-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.





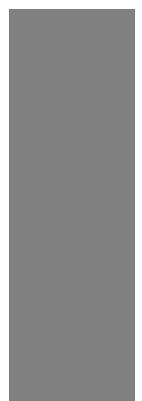
The factory is located in Chengdu High tech International Enterprise Port, with a modern production factory and standardized office buildings. We have passed the ISO9001 international quality management system certification, and our products have passed the EU CE, ROHS. International certifications such 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.



Operator winning bid brand



Telecom installation and maintenance skills competition, Signal fire fusion splicer excellent performance, won the group first prize



Exhibition photos



Intellectual Property Inspection and Certification

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



**CERTIFICATE
Of Conformity**
Directive 2014/53/EU
On The Radio Equipment Directive

Certificate No.: AT18220WC202819

Certificate Holder: SIGNAL FIRE TECHNOLOGY CO., LTD.

Address: Building 18, Chengdu Hi-Tech International Enterprise Park,
Liaodu U Valley, 1111 Changsheng Bridge, Piddu District,
Chengdu China

Manufacturer: SIGNAL FIRE TECHNOLOGY CO., LTD.

Address: Building 18, Chengdu Hi-Tech International Enterprise Park,
Liaodu U Valley, 1111 Changsheng Bridge, Piddu District,
Chengdu China

Product Name: OPTICAL FIBER FUSION SPLICER

Model No.: AI-9, AI-6C, AI-6V, AI-7C, AI-8C, AI-8X, AI-7V, AI-X, S9

Trade Mark: Signal fire

Rating: Input: 13.5V/4.8A DC (with DC 11V, 7800mAh Battery inside)

The radio equipment meets the following essential requirements	Complied
Article 3(1)(a) ■ Safety	EN IEC 62368-1:2020+A11:2020
Article 3(1)(a) ■ Health	EN 50663: 2017; EN 62479: 2010
Article 3(1)(b) ■ EMC	ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-17 V3.2.4 (2020-09)
Article 3(2) ■ Radio	ETSI EN 300 328 V2.2.2 (2019-07)

Note: The attached Annex forms part of this certificate which consists of 2 pages.

Jan. 03, 2023
Date

CE

Certified by



Kingkong Jin

CE

The CE Marking may only be used if all relevant and effective EU Directives are complied with

Shenzhen Anbotek Compliance Laboratory Limited
1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China 518128
Tel: (86)755-26066440 Fax: (86)755-26014772
Http://www.anbotek.com Email: service@anbotek.com

CERTIFICATE



**CERTIFICATE
Of Conformity**
Radio Equipment Regulations 2017
(SI 2017 No. 1206)

Certificate No.: AT18220WC202820

Certificate Holder: SIGNAL FIRE TECHNOLOGY CO., LTD.

Address: Building 18, Chengdu Hi-Tech International Enterprise Park,
Liaodu U Valley, 1111 Changsheng Bridge, Piddu District,
Chengdu China

Manufacturer: SIGNAL FIRE TECHNOLOGY CO., LTD.

Address: Building 18, Chengdu Hi-Tech International Enterprise Park,
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CHAPTER 1 (General)(1)(b) ■ EMC	ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-17 V3.2.4 (2020-09)
CHAPTER 1 (General)(2) ■ Radio	ETSI EN 300 328 V2.2.2 (2019-07)

Note: The attached Annex forms part of this certificate which consists of 2 pages.

Jan. 03, 2023
Date

**UK
CA**

Certified by



Kingkong Jin

**UK
CA**

The UKCA Marking may only be used if all relevant and effective UK Regulations are complied with

Shenzhen Anbotek Compliance Laboratory Limited
1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China 518128
Tel: (86)755-26066440 Fax: (86)755-26014772
Http://www.anbotek.com Email: service@anbotek.com

TCB

**GRANT OF EQUIPMENT
AUTHORIZATION**

Certification
Issued Under the Authority of the
Federal Communications Commission
By:

LGAI Technological Center S.A. (APPLUS)
Ronda de la Font del Carme, s/n
P.O.
Box 98193,
Barcelona,
Spain

Date of Grant: 01/17/2024
Application Date: 01/17/2024

Signal Fire Technology Co., Ltd.
No. B-6 Qingyang Zone, Jiaolong Industrial Park
Qingyang District, Chengdu, China
Chengdu,
China

Attention: Jason Yang

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: ZAB98-AI-10A

Name of Grantee: Signal Fire Technology Co., Ltd.

Equipment Class: Digital Transmission System

Notes: OPTICAL FIBER FUSION SPLICER

Grant Notes	FCC Rule Parts	Frequency Range (MHz)	Output Watts	Frequency Tolerance	Emission Designator
	15C	2402.0 - 2480.0	0.00193		

Output power listed is conducted. The antenna(s) used for this transmission must be installed to provide a separation distance of at least 20cm from all persons. End-users must be provided with operating procedures for satisfying RF exposure compliance.



**QUALITY MANAGEMENT
SYSTEM CERTIFICATE**

Certificate No.: 11423Q45347R2M

This is to certify that the Quality Management System of

SIGNAL FIRE TECHNOLOGY CO., LTD.

Unified Social Credit Code: 91510100072411028D

Registered Address: No. 1111 Changsheng Bridge, Hongguang Town, Small and Micro Enterprise Innovation Park,
North Area of Chengdu Modern Industrial Port, Piddu District, Chengdu

Production/Office Address: Building 18, Chengdu High-Tech International Enterprise Park, Liaodu U Valley, No.1111
Changsheng Bridge Road, Piddu District, Chengdu City, Sichuan Province, China

Has been audited to conform to the following Quality
Management System standard

GB/T19001-2016/ISO9001:2015

The Applicable Scope

The production of optical fiber fusion splicer

Date of initial issuance: Aug. 22, 2017
Date of issuance: Jul. 11, 2023
Date of expiry: Jul. 31, 2025

Issued by: *Wu Fengyu* Beijing East Allreach Certification Center Co., Ltd.





The certificate will remain valid only if the certified organization accepts surveillance audit at regular intervals and is audited to be qualified. The information of this certificate is available at EACC website (www.eacc.com.cn) and CNCA's official website (www.cnca.gov.cn), and it's also available by scanning the QR Code in the lower right corner.

Address: 1st Floor, No. 121 Building, No. 1, Jingyuan Street, Jinqiao Science & Technology Industrial Base, Jingyuan Park of Chengdu Science & Technology Zone, Chengdu District, Beijing 101010

Official account:  Certificate query: 

United States of America

United States Patent and Trademark Office



Reg. No. 7,197,549
Registered Oct. 17, 2023
Int. Cl.: 7
Trademark
Principal Register

Signal Fire Technology Co., Ltd. (CHINA limited company (Ltd.))
No.1111, Changsheng Bridge, Hongguang Town
Small and Micro Enterprise Innovation
Park, Pidu Dist, Chengdu, CHINA 611730

CLASS 7: Cutting machines; Electric arc cutting apparatus; Electric arc welding apparatus; Electric scissors; Electric shearing machines; Electric welding machines; Electrodes for welding machines; Gear cutting and finishing machines; Knives, electric; Soldering apparatus, electric

FIRST USE 6-15-2014; IN COMMERCE 6-15-2014

The mark consists of the stylized wording "Signal fire" with a rainbow bridge above the stylized letters "ignal fi".

SER. NO. 97-339,851, FILED 03-31-2022



Katherine Kelly Vidal
Director of the United States
Patent and Trademark Office



United States of America

United States Patent and Trademark Office



Reg. No. 7,197,550
Registered Oct. 17, 2023
Int. Cl.: 8
Trademark
Principal Register

Signal Fire Technology Co., Ltd. (CHINA limited company (Ltd.))
No.1111, Changsheng Bridge, Hongguang Town
Small and Micro Enterprise Innovation
Park, Pidu Dist, Chengdu, CHINA 611730

CLASS 8: Nippers; Pliers; Scissors; Blades for manually-operated tools; Hand-operated cutting tools; Hand-operated shears; Hand tools, namely, graving tools; Hand tools, namely, scrapers; Hand tools, namely, wire strippers; Multi-tool knives

FIRST USE 6-15-2014; IN COMMERCE 6-15-2014

The mark consists of the stylized wording "Signal fire" with a rainbow bridge above the stylized letters "ignal fi".

SER. NO. 97-339,852, FILED 03-31-2022



Katherine Kelly Vidal
Director of the United States
Patent and Trademark Office



CERTIFICATE OF REGISTRATION TRADE MARK

Trade mark number: 2341304

The Registrar of Trade Marks has registered the trade mark represented on this certificate on 23 October 2023 and certifies that the following particulars have been entered in the Register of Trade Marks.

Name and address of owner(s):

Signal Fire Technology Co., Ltd. of No.1111, Changsheng Bridge, Hongguang Town, Small and Micro Enterprise Innovation Park, Pidu Dist., Chengdu, Sichuan, 611730 China

The trade mark is registered in the following class(es):

7

Date of filing: 13 March 2023

Registered from: 13 March 2023

Registration expires on: 13 March 2033

Representation:



Goods and/or services, and other information relating to the registration of this trade mark are listed on the following pages.



Dated this 23rd day of October 2023
Registrar of Trade Marks

TRADE MARKS ACT 1995

The Australian Trade Marks Register is the official record and should be referred to for the full details pertaining to this IP Right

РОССИЙСКАЯ ФЕДЕРАЦИЯ



СВИДЕТЕЛЬСТВО

на товарный знак (знак обслуживания)

№ 991737



Правообладатель: Сигнал Файер Текнолоджи Ко. Лтд., №1111, Чангшенг Бридж, Хонгуанг Таун, Смол энд Микро Интерпрайз Инновейшн Парк, Пиду Дистрикт, Чэнду, Сычуань, Китай (CN)

Заявка № 2023720455

Приоритет товарного знака 16 марта 2023 г.

Зарегистрировано в Государственном реестре

товарных знаков и знаков обслуживания

Российской Федерации 11 января 2024 г.

Срок действия регистрации истекает 16 марта 2033 г.

Руководитель Федеральной службы
по интеллектуальной собственности

Ю.С. Зубов



EINHEITSPATENT | UNITARY PATENT BREVET UNITAIRE

Hiermit wird bescheinigt, dass die einheitliche Wirkung für das nachstehende europäische Patent im Register für den einheitlichen Patentschutz eingetragen wurde.

It is hereby certified that unitary effect has been registered in the Register for unitary patent protection for the European patent indicated below.

Il est certifié que l'effet unitaire a été inscrit au Registre de la protection unitaire conférée par un brevet pour le brevet européen ci-dessous.

Europäisches Patent No.
European patent No.
Brevet européen n°

Tag der Eintragung
Date of registration
Date d'inscription

EP4024101 **03.09.2024**

Territorialer Geltungsbereich
Territorial scope
Champ d'application territoriale

Tag des Eintritts der Wirkung
Date of effect
Date de prise d'effet

**AT BE BG DE DK EE FI FR IT LT LU LV MT
NL PT RO SE SI** **14.08.2024**

Patentinhaber | Proprietor(s) of the patent | Titulaire(s) du brevet

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António Campinos


Präsident des Europäischen Patentamts | President of the European Patent Office | Président de l'Office européen des brevets
München, den | Munich, le **03.09.2024**


URKUNDE | CERTIFICATE | CERTIFICAT



EP4024101 1004 03 24

Registered / Eingetragen 1703/2023
No 01501/4933-0001


EU IPO
INTELLECTUAL PROPERTY OFFICE



The Executive Director / Der Exekutivdirektor


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Diese Eintragungsurkunde wird für das unten genannte eingetragene Gemeinschaftspatentschutz ausgestellt. Die entsprechenden Einträge sind in das Register für Gemeinschaftspatentschutz eingetragen worden.

The Certificate of Registration is hereby issued for the Registered Community Design identified below. The corresponding entries have been recorded in the Register of Community Design.


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Date **03.09.2024**

Reference **P9499EUEP** Application No./Patent No. **19945932.2 / 4024101**

Proprietor
Signal Fire Technology Co., Ltd.

European patent with unitary effect

Communication of the date of registration of unitary effect pursuant to Rule 7(1) UPR

The request for unitary effect received at the EPO on 21.08.24 meets the requirements of Rules 5(2) and 6 UPR.

The unitary effect of European patent No. EP4024101 was registered in the Register for unitary patent protection on 03.09.24.

Date of effect

Under Article 4(1) Regulation (EU) No 1257/2012, the European patent with unitary effect takes effect in the participating Member States on the date of publication of the mention of the grant of the above European patent in the European Patent Bulletin, i.e. on 14.08.24.

Territorial scope

Pursuant to Article 18(2) Regulation (EU) No 1257/2012, by way of derogation from Articles 3(1), 3(2) and 4(1), a European patent for which unitary effect is registered has unitary effect only in those participating Member States in which the Unified Patent Court has exclusive jurisdiction with regard to European patents with unitary effect at the date of registration. For the above European patent with unitary effect, the participating Member States at the date of registration are:

AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT RO SE SI

For proprietor(s): **Signal Fire Technology Co., Ltd.**
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The registration will be published in the European Patent Bulletin under Section IV.2(1).

Registered Letter
EP4024101 1004 03 24

Date _____ Application No./Patent No. **19945932.2 / 4024101**

For the Unitary Patent Protection Division



NOTES RELATING TO THE REGISTRATION OF UNITARY EFFECT

1. Unitary Patent Guide

This guide – available on the EPO website – provides useful information on European patents with unitary effect.

2. Payment of renewal fees for European patents with unitary effect

2.1 Under Rule 13(1) to (3) UPR, renewal fees for European patents with unitary effect and additional fees for their late payment are to be paid to the EPO. Those fees are due in respect of the years following the year in which the mention of the grant of the European patent which benefits from unitary effect is published in the European Patent Bulletin.

2.2 Under Rule 13(4) UPR, a renewal fee in respect of a European patent with unitary effect falling due within three months of the notification of the communication referred to in Rule 7(1) UPR may still be paid within that period of three months without an additional fee.

2.3 Moreover under Rule 13(5) UPR, a renewal fee for a European patent with unitary effect which would have fallen due under Rule 13(2) UPR in the period starting on the date of publication of the mention of the grant of the European patent in the European Patent Bulletin up to and including the date of the notification of the communication referred to in Rule 7(1) UPR is due on that latter date. This fee may still be paid within three months of that latter date without the additional fee referred to in Rule 13(3) UPR.

For further details you are recommended to consult the above-mentioned Unitary Patent Guide.

3. Effect of revocation or limitation of the European patent

Under Article 3(3) Regulation (EU) No 1257/2012, the unitary effect of a European patent is deemed not to have arisen to the extent that the European patent has been revoked or limited.

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