AI-9
PRODUCT DATA SHEET

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SNET Connecting The World

OPTICAL FIBER FUSION SPLICER

NEW PRODUCT LAUNCH
CLASSIC MASTERPIECE

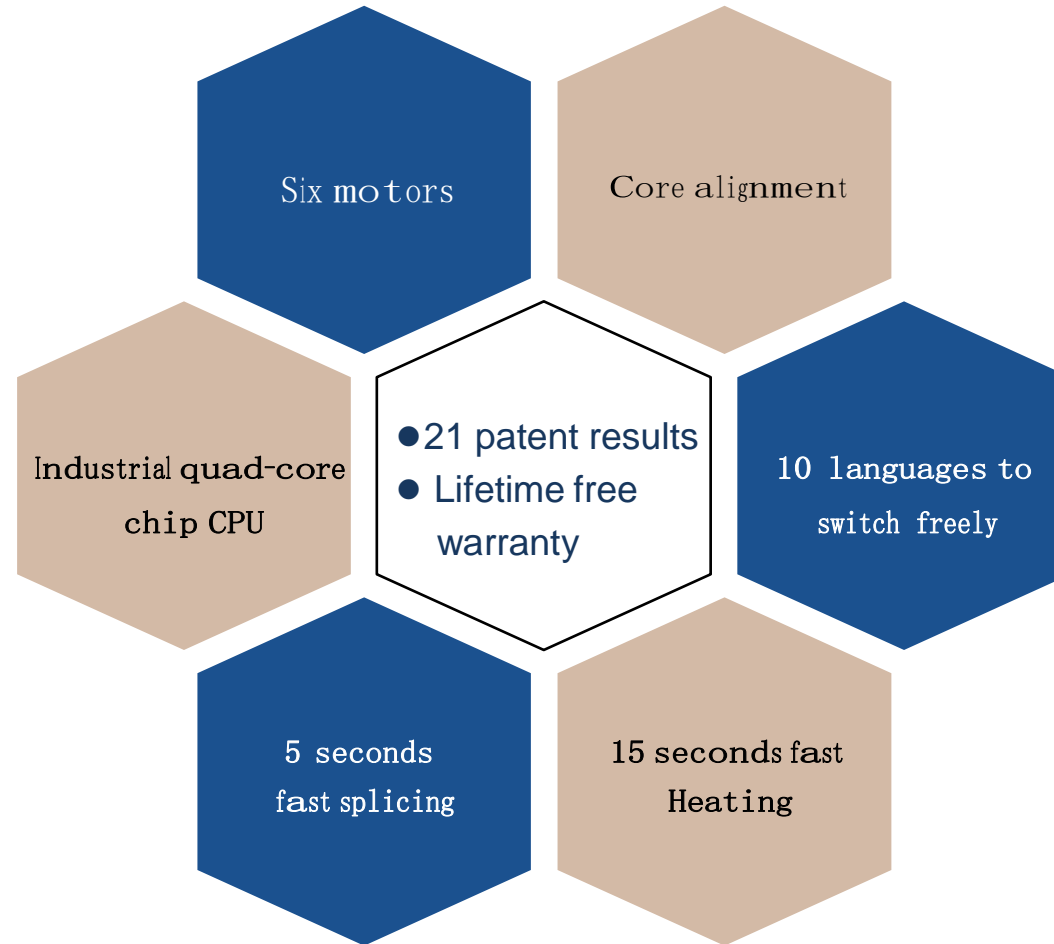**S - NET** ™
CONNECTING THE WORLD

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, securitymonitoring 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

Six motors

Core alignment

Industrial quad-core chip CPU

- 21 patent results
- Lifetime free warranty

10 languages to switch freely

5 seconds fast splicing

15 seconds fast Heating

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

METAL BODY
AESTHETIC DETAILS

Power VFL
Meter

VFL：**Alwayson/flashing/ off**

Power Meter：
850nm/1300nm/1310nm/1490 nm/1550nm/1625nm Six states

BUILT-IN POWER METER AND VFL

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

Basic Parameter

Applicable Fibers	SM(G.652&G.657)、MM（G.651）、DS(G.657)、NZDS（G.655）
Splice Loss	0.025dB（SM）、0.01dB（MM）0.04dB（DS/NZDS）
Focus mode	Auto focus
Fiber alignment	Core/cladding alignment Manual alignment
Typical splicing time	5S
Typical splicing time	15S （Fast heating function, heating time can be set）
Control technology	Real-time control and calibration of fusion ARC
Return loss	Better than 60DB
Fiber diameter	Cladding Diameter 80-150μm，Coating Diameter 100-1000μm
Fiber Cleave Length	Coating less than 250μm：8-16mmCoating less m250-1000μm:16mm
Heat shrinkable tube	60mm、40mm
Visual Fault Locator(AI-9)	Power:15mw,2hzflashing And Constantly Bright Mode

Tension Test	Standard 2N
Fiber holders	Multi function holders, Applicable for SM, MM, bare fiber, pigtail, rubber-insulated, multi fiber cable
Magnification	300 for X or Y view, 150 for X or Y view
Screen	5.1 inch TFT color display
Software upgrade	Mobile APP update,Turn on Bluetooth sync to the machine
Splicing Mode	Normal / high precision splicing
Splicing record storage	Synchronize to the phone, the server to cloud storage unlimited
Built-in battery	7800 mA high-capacity lithium battery, charging time ≥ 3.5 hours, continuous splicing and heating about 240 times
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
Operating Conditions	Temperature -15 ~ +50 ℃, humidity: <95% RH (no condensation),Working altitude: 0 ~ 5000m. Resist max. wind speed: ≤ 15m / s
lighting	External
Optical Power Meter(AI-9)	Wavelength:850nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm

THE TOOLBOX
COMES WITH A STOOL TO FACILITATE THE CONSTRUCTION WORKERS.

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OPTICAL FIBER FUSION SPLICER

SIGNAL FIRE

Remove the stool

SIGNAL FIRE

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

Fiber cleave operator station

Two layers

Stool can bear

100kg

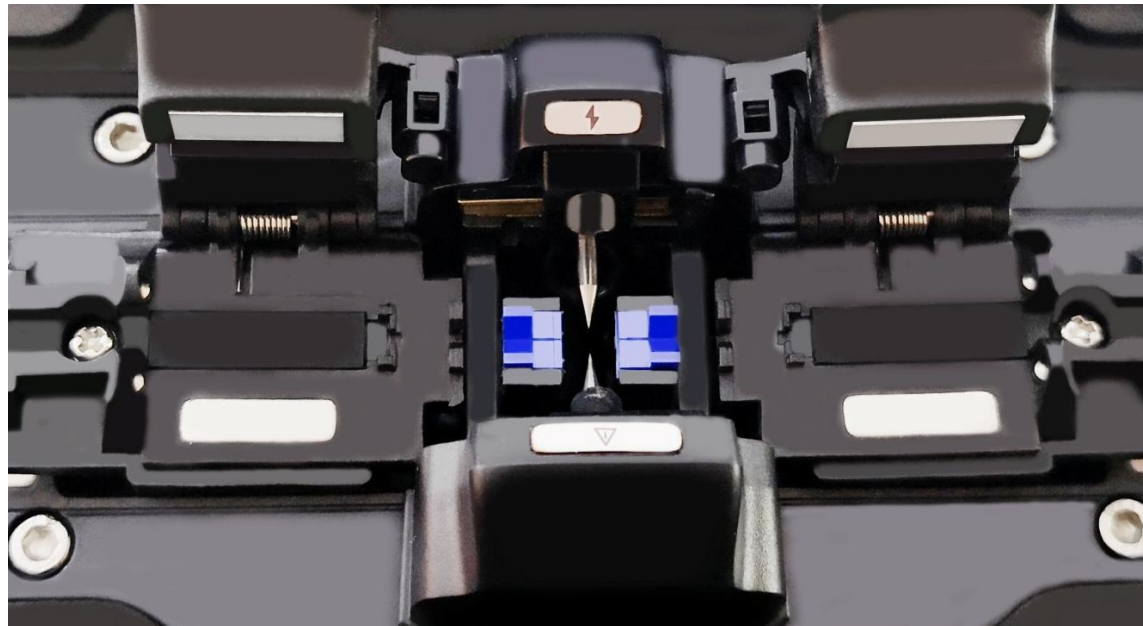# INDUSTRIAL QUAD-CORE CHIP CPU

Synchronous operation → **Speed response** → **No jammed** → **Super experience**

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

THE BATTERY POPUP AUTOMATICALLY

7800 mA high-capacity lithium battery

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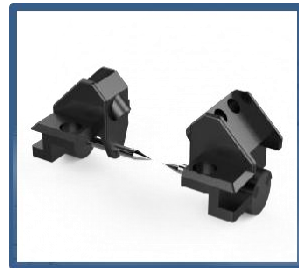- continuous splicing and heating about 200 times

Press to popup the battery

Accessories in the tool box

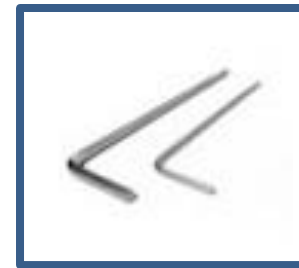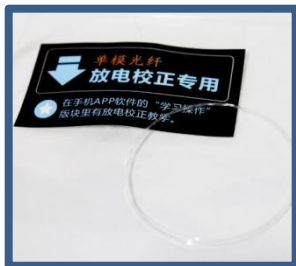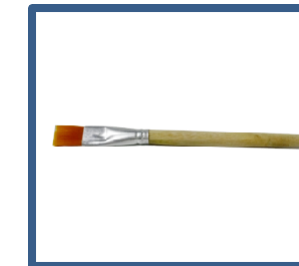|		
Fiber Cleaver	Spare electrode	Wire stripping pliers
Miller stripper	Hex key	carrying case
Fiber for ARC calibration	Strap	Power Adapter
Alcohol Bottle	Brush	User's manual Quality Certificate Warranty Card

SIZE

OPTICAL FIBER FUSION SPLICER

148mm

130mm

122mm

293mm

237mm

270mm

390mm

335mm

360mm