

AI-9

PRODUCT MANUAL

Vector Illustration

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Vector Illustration

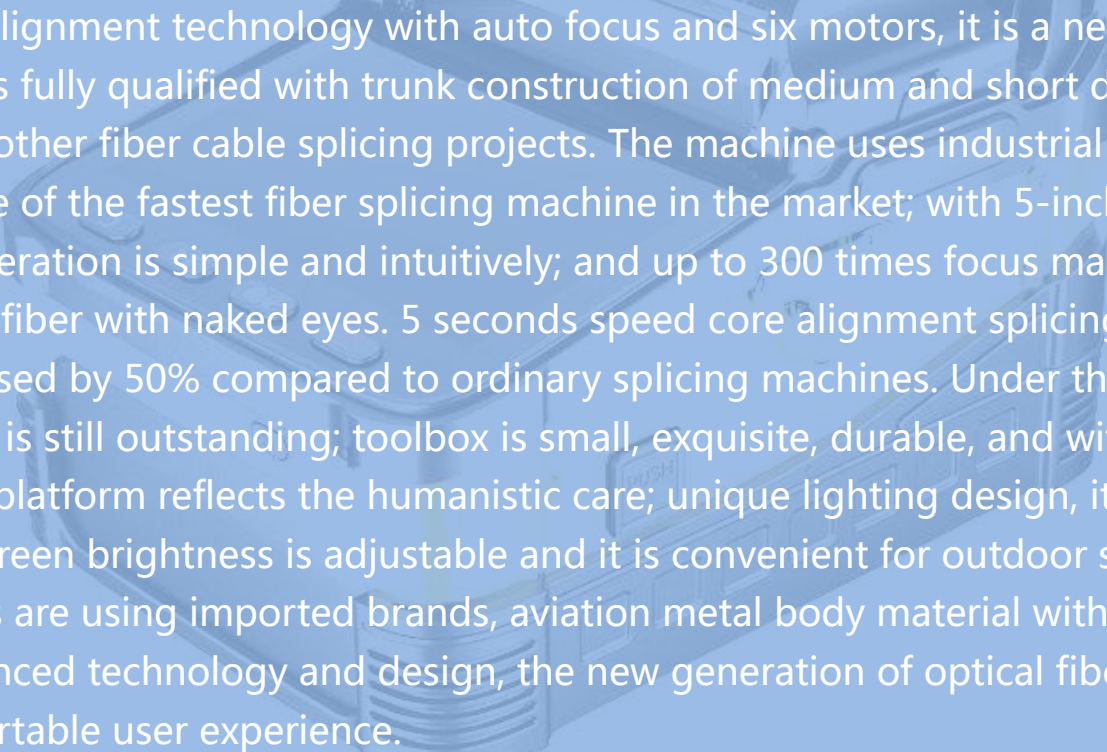
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OPTICAL FIBER FUSION SPLICER



NEW PRODUCT LAUNCH

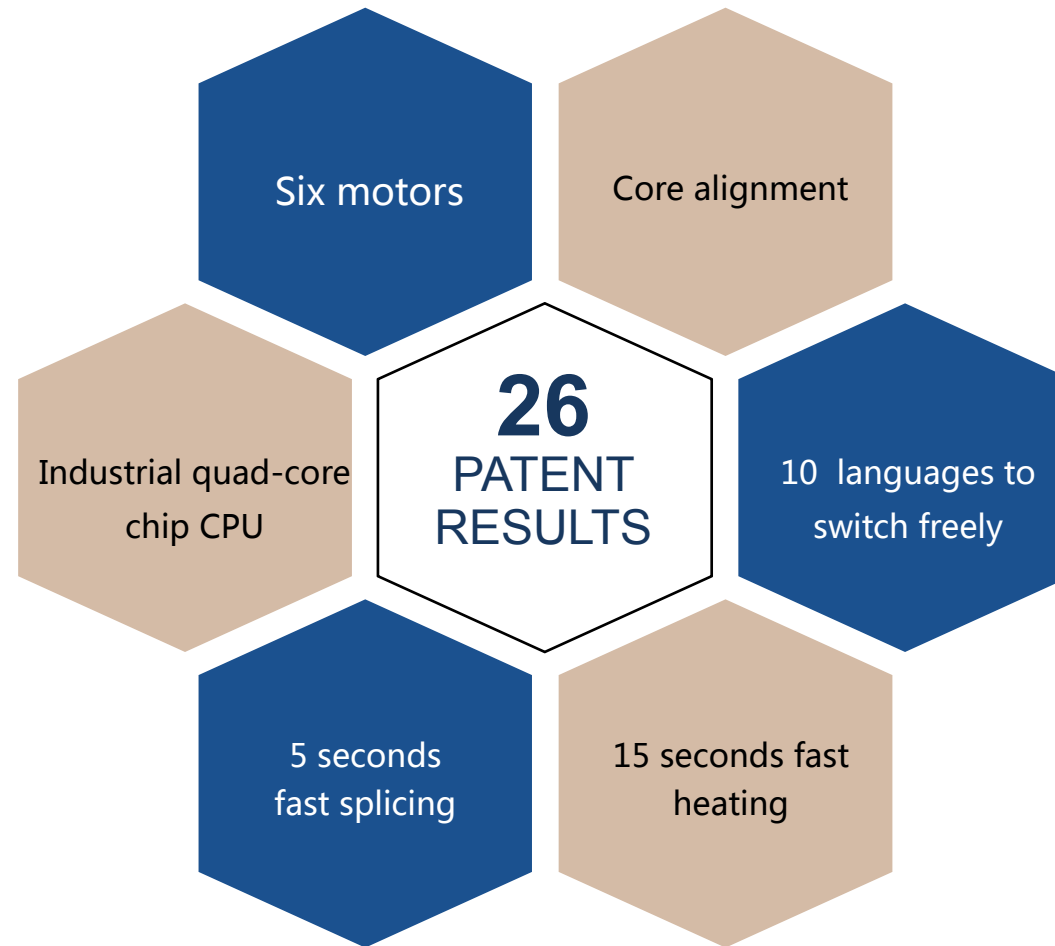
CLASSIC MASTERPIECE



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.

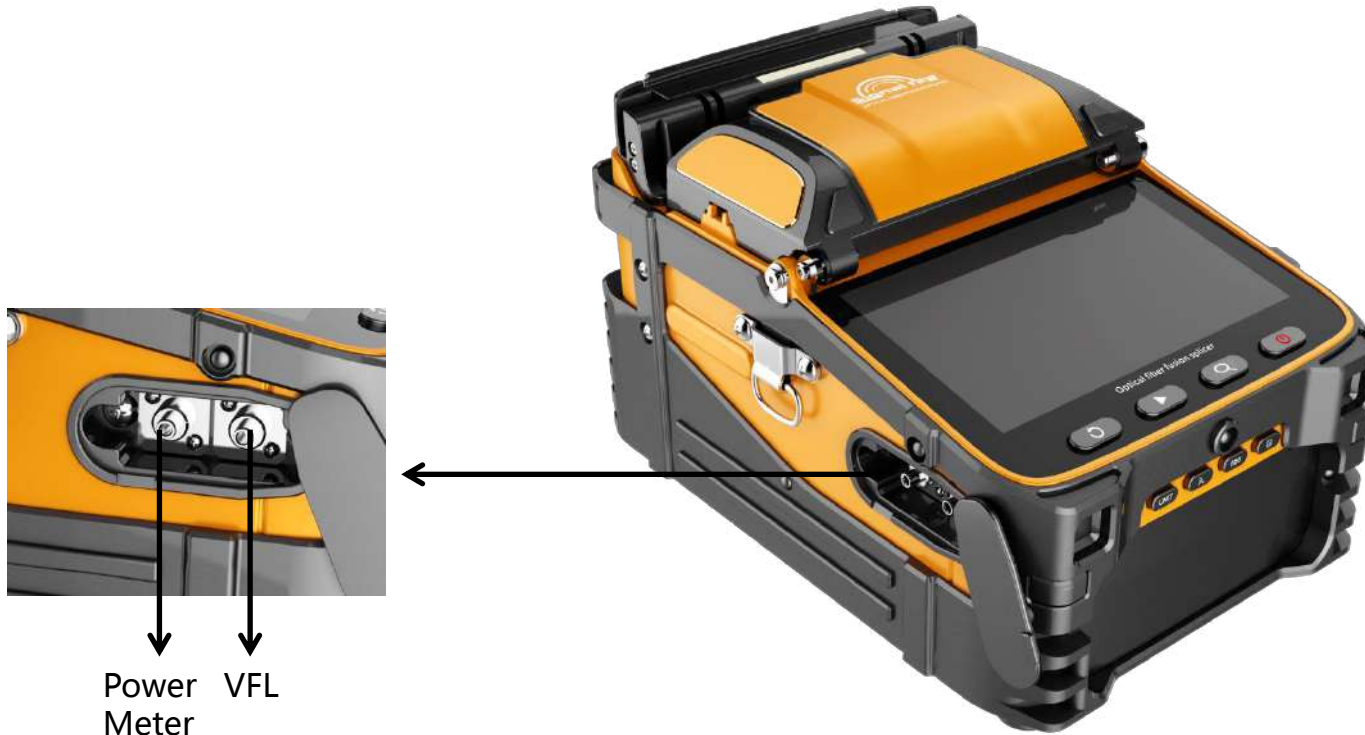
MASTERPIECE

HIGH-END LUXURY



METAL BODY

AESTHETIC DETAILS



VFL : Always on / flashing / off

Power Meter :

850nm/1300nm/1310nm/1490
nm/1550nm/1625nm Six states

BUILT-IN POWER METER AND VFL

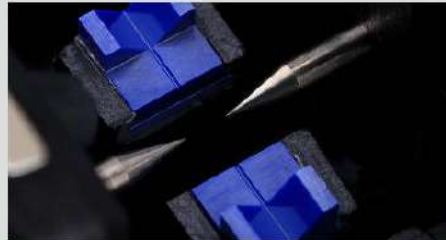
Effectively measure connection loss, verify continuity, and help assess fiber link transmission quality.

METAL BODY

AESTHETIC DETAILS

PRODUCT DETAILS

Factory Address: No.11, Shengping Street, Jiaxing Industrial Park, Shengping Street, Jiaxing, China. Factory Address: No.11, Shengping Street, Jiaxing Industrial Park, Shengping Street, Jiaxing, China.



EXQUISITE DETAILS

Factory Address: No.11, Shengping Street, Jiaxing Industrial Park, Shengping Street, Jiaxing, China. Factory Address: No.11, Shengping Street, Jiaxing Industrial Park, Shengping Street, Jiaxing, China.



THE TOOLBOX

COMES WITH A STOOL TO FACILITATE
THE CONSTRUCTION WORKERS.



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



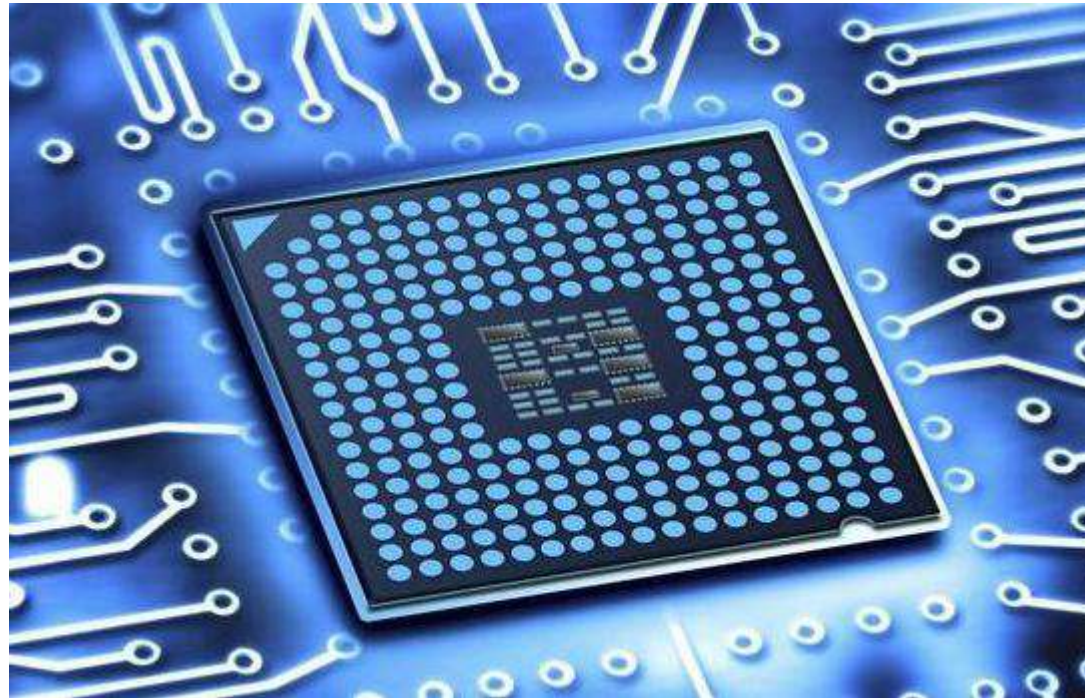
Sanyo lithium battery



Aviation metal material

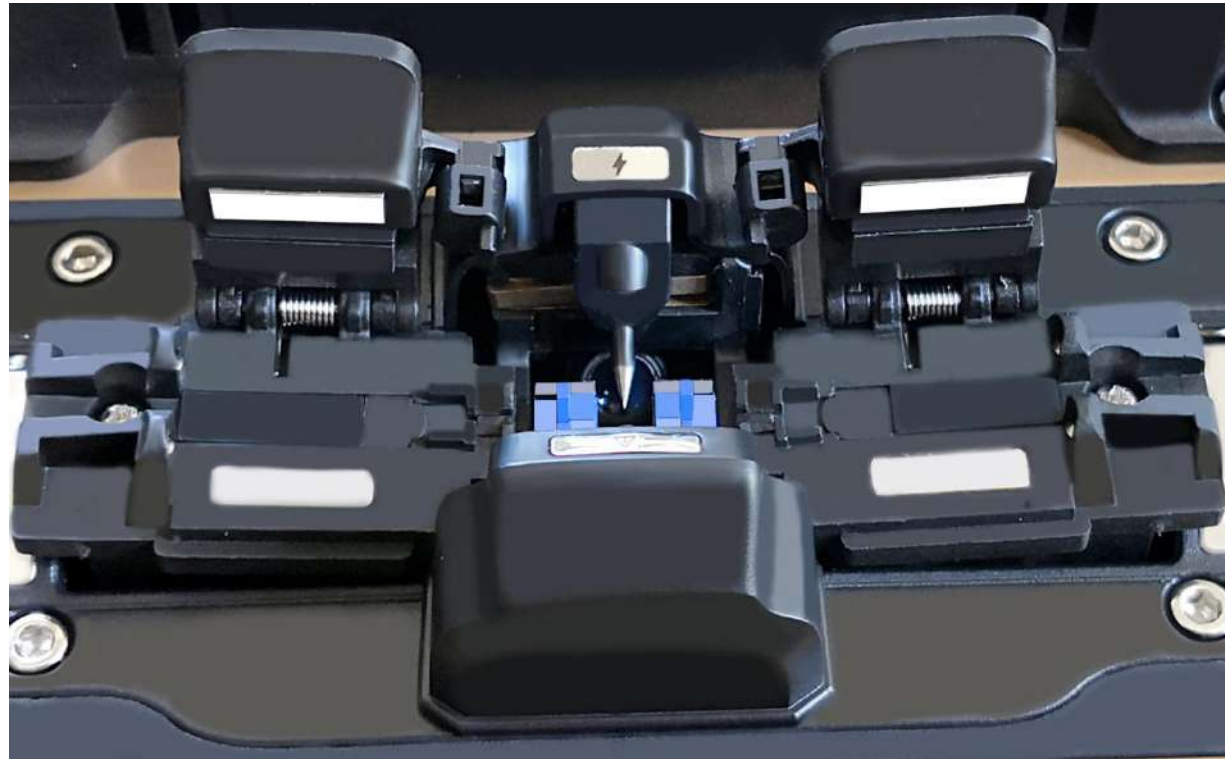
INDUSTRIAL QUAD-CORE CHIP CPU

Synchronous operation / speed response / no jammed / super experience



3 IN 1 FIBER HOLDER

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



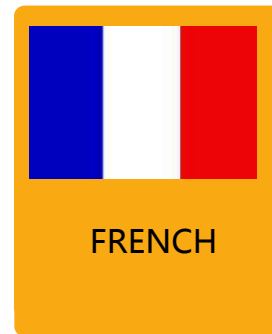
7800mAh LARGE CAPACITY BATTERY

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

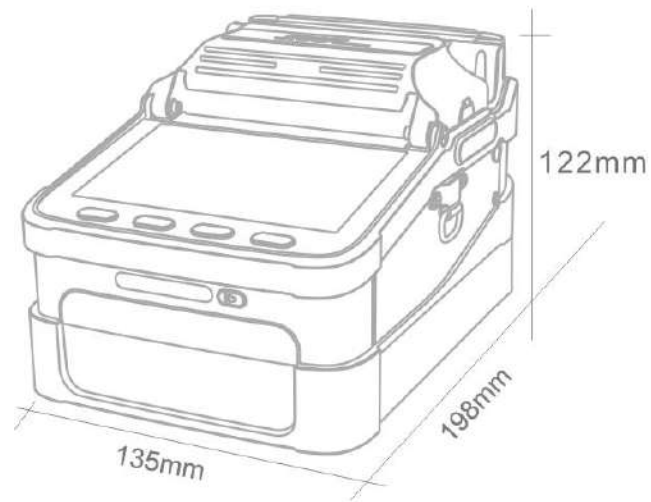


BASIC PARAMETER



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 \leq 3.5 hours, continuous splicing and heating about 260 times
Fiber diameter	Cladding Diameter: 80-150 μ m Coating Diameter: 100-1000 μ m	Power supply	Input AC100-240V 50 / 60HZ, output DC13.5V / 4.8A, the current power mode can be identified, real-time detection of battery
Fiber Cleave Length	Coating less than 250 μ m: 8-16mm Coating less than 250-1000 μ m: 16mm	Operating Conditions	Temperature -15 \sim +50 $^{\circ}$ C, humidity: <95% RH (no condensation) Working altitude: 0 \sim 5000m. Resist max. wind speed: \leq 15m / s
Software updates Length	Automatically update、Update by a key	Shrinkable tube	60mm、50mm、40mm、25mm
Boot time	1 second	Product	Waterproof, dust proof, shock-resistant

Size



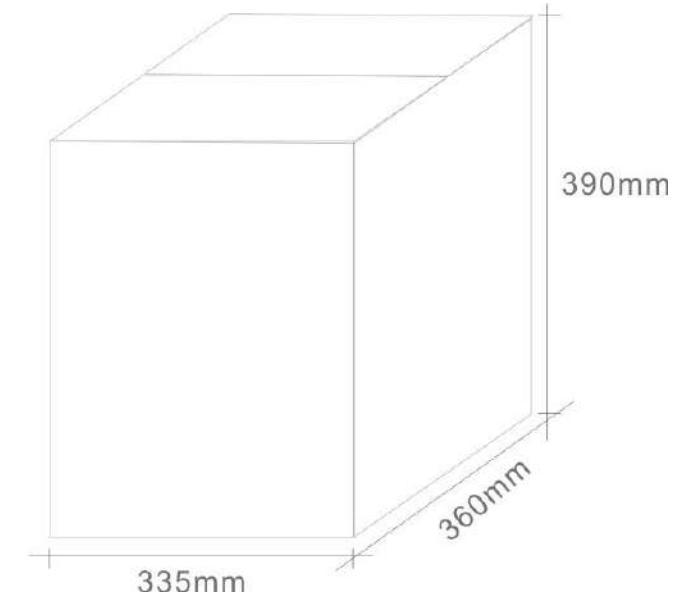
Machine weight

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