



Voice broadcast
Intelligent broadcast tips

5 inch
HD full touch screen

420X
Image magnification

Multifunctional fiber optic fusion splicer

6 seconds welding
18 seconds heating

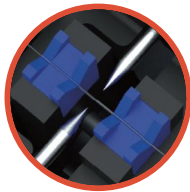
6200mAh large capacity battery

3S
instant on

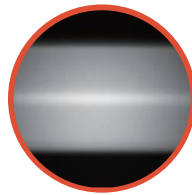
Product Features

- 420 X image magnification
- 5 inch HD capacitive touch screen
- 6200mAh large capacity battery life
- 500 sets of welding modes, 200 sets of heating modes, 20000 sets of welding records and 2000 pictures
- Voice broadcast function, operation real-time broadcast prompts, improve construction efficiency
- Industrial-grade processor, smooth system operation, simple interface, double touch operation
- Five-in-one multi-functional fixture, suitable for fusion splicing of various fiber types
- Modular design, Bluetooth, WIFI, GPS\OTDR\VFL\OPM\LS\10GPON\Laser ranging, Internet of Things and other functions can be expanded according to user needs

Details display



Precision ceramic V-groove



Intelligent Arc Control Technology



Multifunctional integrated red light/optical power, etc.



Ceramic Fiber Hammer Durable

Product appearance



Waterproof



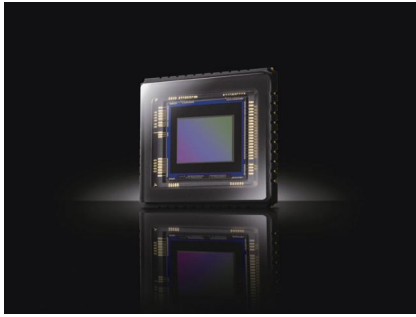
Dustproof



Fall resistance



Product advantages



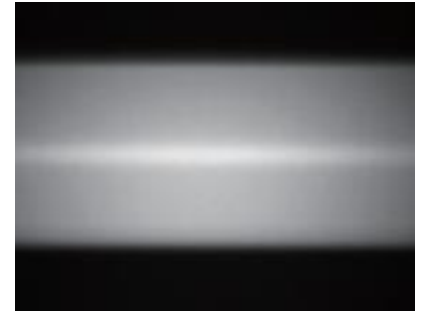
HD Optical Image Acquisition System

HD Fiber Aligner High Performance CMOS Sensor



Lens Imaging Fiber Alignment System

Fast fiber end-face evaluation
Precise fiber alignment



Real-time arc correction system

High-performance discharge electrode current feedback and environmental compensation

Advanced product performance

Start-up heating furnace self-preheating

-20°C can also meet heating needs, and the heating furnace can work normally for more than 60,000 times

Five-in-one clamp

Suitable for different types of optical fibers such as single core, leather cable, patch cord, butterfly optical fiber, invisible optical fiber, etc.

The movement frame uses high materials

Made of 7075 aviation aluminum material with high precision, corrosion resistance and good hardness, which is more stable and has a longer life than ordinary injection molding process

Adjustable core structure

Using precision guide rails that move in both directions with high precision XY

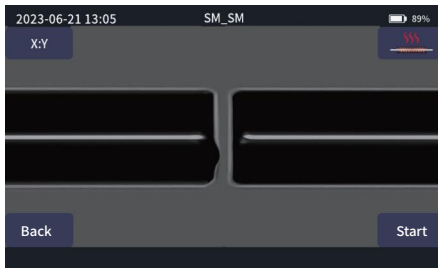
Industrial grade processor

High environmental adaptability, good reliability and faster speed

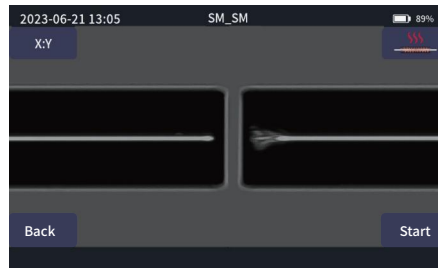
Built-in expansion platform

Standard configuration: VFL, OPM, Bluetooth, split-wave power meter can be expanded

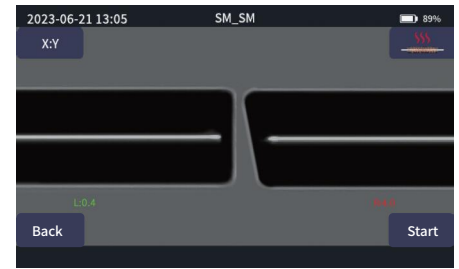
High job fault tolerance



Uneven end face of optical fiber



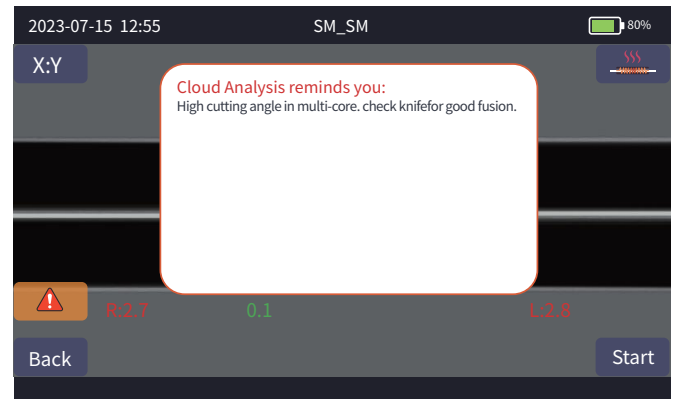
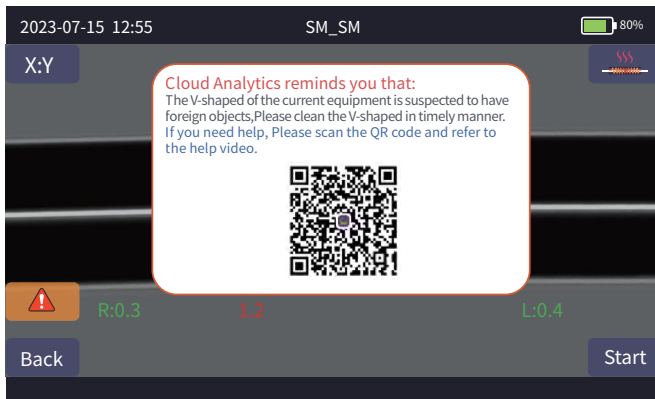
Fiber fragmentation



Fiber large cutting angle

This product welding machine uses a unique optical fiber image analysis algorithm, which can identify abnormalities such as uneven end face of optical fiber, fiber fragmentation, fiber objects and large cutting angle, intelligently change the welding parameters, minimize the impact caused by abnormalities, and the typical loss of optical fiber abnormalities can be controlled within 0.04dB, and the success rate of one-time welding can reach more than 98%.

Intelligent status tracking



The system automatically tracks the user's usage, intelligently analyzes the current status of the cutting cleanliness situation of the V-shaped and provides reminder to help users clean the V-shaped and adjust the cutting tool welding quality.

Environment adaptation



This product welding machine is equipped with temperature, barometric pressure sensors, and intelligent environmental adaptation algorithms, which can operate normally in any environment without manual participation, and ensure that the welding effect and success rate are satisfactory, more intelligent and convenient.

Technical specifications

Motor	Four motors
Image magnification	420X
Discharge calibration	Real time Discharge Correction (Manually available)
Extension Modules (Optional)	OPM/VFL/OTDR/10GPON
Clamps	Metal five in one fixture
Backlit buttons	Key backlight design to assist night construction
Applicable fiber type	Including G651、G652、G653、G655、G657
Fiber cutting length	8-16mm
Splice loss	SM:0.02dB, MM:0.01dB, NZ:0.03dB, NZDS:0.04dB
Discharge electrode	≥5000 times
Welding mode	Pre set 500 welding programs
Heating mode	200 pre-set heating programs
Auto heating	Support
Splice time	Standard fusion time is 7 seconds, fast fusion is 6 seconds
Heating time	Standard heating time 18 seconds ,time adjustable
Return loss	≥60dB
Splice protector	60mm、50mm、40mm、30mm、25mm
Tensile test	Tension is 1.96N~2.1N
Storage	Can store 2000 images, 20000 groups of data
Interface	GUI graphical operator interface with graphical maintenance navigation
Battery Capacity	6200mAh, built-in charging, Can support 420 welding heating cycle
Language	Multiple display languages available for user selection
Elevation	Can work at altitudes from 0m to 5000m
Temperature & Wind Speed	-20°C~+50°C ,wind speed 15m/s
Humidity	0~95% (No condensation)
Storage conditions	Relative humidity 0~95%, -40~70°C
Power supply method	AC100~240V, DC15~19V
Start-up time	3 seconds fast boot
Display	5-inch high-definition capacitive touch screen, key / touch dual control
Power output	USB reverse charging/lighting
Port	USB2.0
Size	150mm*146mm*145mm
Weight	1.48kg (Battery not included) , 1.88kg (Battery included)

Configuration List



Multi-functional carrying case



Host (Including battery)



High precision cleaver



Adapter



AC power cord



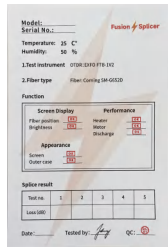
Miller



Leather Cable Stripper



Instruction manual



Test report



Alcohol bottles



V-groove cleaning tool



Spare electrodes



Pallet Cooler



Certificate of Conformity / Warranty Card



Carrying straps, portable handbags