



**Voice broadcast**  
Intelligent broadcast tips

**5 inch**  
HD full touch screen

**320X**  
Image magnification

# KI-6

## Multifunctional fiber optic fusion splicer

6 seconds welding  
18 seconds heating

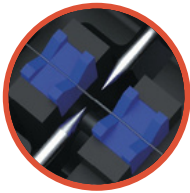
6000mAh large capacity battery

**3S**  
instant on

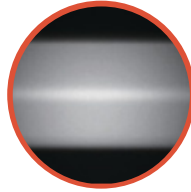
## Product Features

- 320 X image magnification
- 6000mAh large capacity battery life
- 300 sets of welding modes, 100 sets of heating modes, 10,000 sets of welding records and 2,000 pictures
- Voice broadcast function, operation real-time broadcast prompts, improve construction efficiency
- Industrial-grade processor, smooth system operation, simple interface, double touch operation
- Three-in-one multi-functional fixture, suitable for fusion splicing of various fiber types
- 5 inch HD capacitive touch screen

## Details display



Precision ceramic V-groove



Intelligent Arc Control Technology



Multifunctional integrated red light/optical power, etc.



Ceramic Fiber Hammer Durable

## Product appearance



## Waterproof



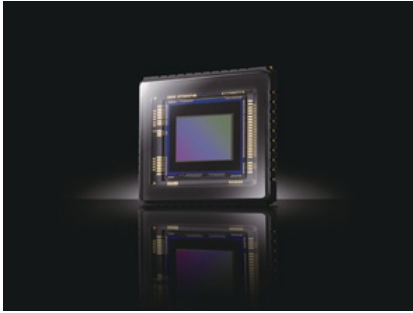
## Dustproof



## Fall resistance

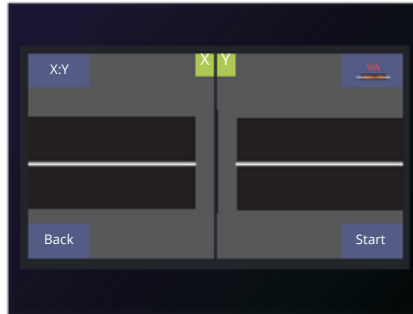


## Product advantages



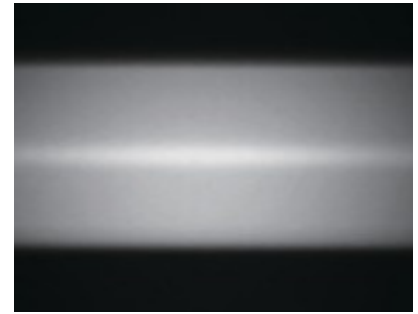
### HD Optical Image Acquisition System

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

### Self-preheating of the heating furnace when starting up

Convenient in colder areas, and can still meet the heat shrinking requirements with quality and quantity

### Industrial-grade processor

High environmental adaptability, good reliability, backlight buttons, USB lighting, no fear of darkness

### Fully autonomous modular design

Reduce the cost of later maintenance accessories and labor costs

### High material used for movement frame

7075 aviation aluminum material with high precision, corrosion resistance and good hardness is used, which is stronger in service life and stability than ordinary injection molding process

### Three-in-one fixture

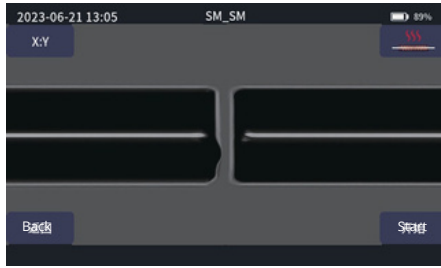
Suitable for many different types: G.652、G.651、G.653、G.654、G.655、G.657

### Core tuning structure

Use the more expensive XY bidirectional moving precision rails



## High job fault tolerance



Uneven end face of optical fiber



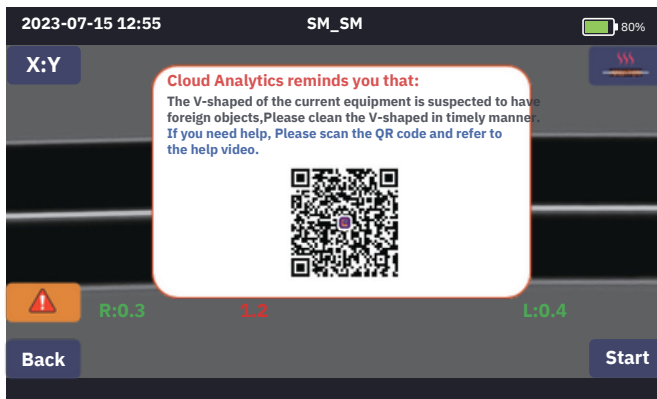
Fiber fragmentation



Fiber large cutting angle

KI-6 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



KI-6 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

<b>Model</b>	KI-6
<b>Alignment</b>	Core to Core
<b>Image magnification</b>	320X (Can be extended 400, 650X)
<b>Discharge calibration</b>	Real time Discharge Correction ( Manually available )
<b>Extension Modules (Optional)</b>	OPM/VFL/OTDR/10GPON
<b>Clamps</b>	Three in one multifunctional clamps
<b>Backlit buttons</b>	Key backlight design to assist night construction
<b>Applicable fiber type</b>	Including G651、 G652 、 G653 、 G654 、 G655 、 G657
<b>Fiber cutting length</b>	8-16mm
<b>Splice loss</b>	SM:0.02dB, MM:0.01dB, NZ:0.03dB, NZDS:0.04dB
<b>Discharge electrode</b>	≥5000 times
<b>Splice mode</b>	Splice program preset 300
<b>Heating mode</b>	100 preset heating programs
<b>Auto heating</b>	Support
<b>Splice time</b>	Standard fusion time is 7 seconds, fast fusion is 6 seconds
<b>Heating time</b>	Standard heating time 18 seconds ,time adjustable
<b>Return loss</b>	≥60dB
<b>Splice protector</b>	20~60mm
<b>Tensile test</b>	Tension is 1.96N~2.1N
<b>Storage</b>	Can store 2000 images, 60000 groups of data
<b>Interface</b>	GUI graphical operator interface with graphical maintenance navigation
<b>Battery Capacity</b>	6000mAh, built-in charging
<b>Language</b>	Multiple display languages available for user selection
<b>Elevation</b>	Can work at altitudes from 0m to 5000m
<b>Temperature</b>	-20°C~+50°C
<b>Humidity</b>	0~95% (No condensation)
<b>Storage conditions</b>	Relative humidity 0~95%, -20~60°C
<b>Power supply method</b>	AC100~240V, DC15~19V
<b>Start-up time</b>	3 seconds fast boot
<b>Display</b>	5-inch high-definition capacitive touch screen, key / touch dual control
<b>Power output</b>	USB reverse charging/lighting
<b>Port</b>	USB2.0
<b>Size</b>	150mm*146mm*145mm
<b>Weight</b>	1.48kg (Battery not included) , 1.88kg(Battery included)

# Configuration List



Multi-functional carrying case



Host (Including battery)



High precision cleaver



AC power cord



Carrying Strap



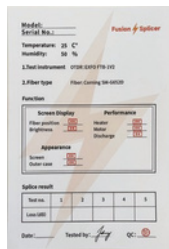
Miller



Leather Cable Stripper



Instruction manual



Test report



Alcohol bottles



V-groove cleaning tool



Spare electrodes



Charging adapter



Certificate of Conformity /  
Warranty Card



Carrying straps,  
portable handbags