NEPSTECH™

Fiber fusion splicer

Intelligent fully automatic

Model No.: NTPL-FS6ME

2024/1/1 12:00
OPM
VFL
VFL | OPM
Function config
VFL&OPM
Weld setting
Weld record
User maintenance
System setting
28.3°C
3000m
50%
101kPa
2800 (s)
2800 (s)

4.3 inch
SPI touch screen

8 s
Efficient fusion welding

18 s
Rapid heating

6 motors
Accurate positioning

3
Three-in-one clamp

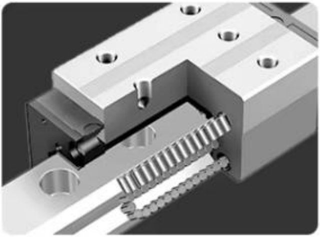
5200 mAh
High battery life

300 X
Magnification

6 Motor drive

Equipped with six motors and precise micro-step guides, it has less positioning and dissolution loss than 4 motors. Faster dissolution time and higher work efficiency

Copper core motor



Microstep guide

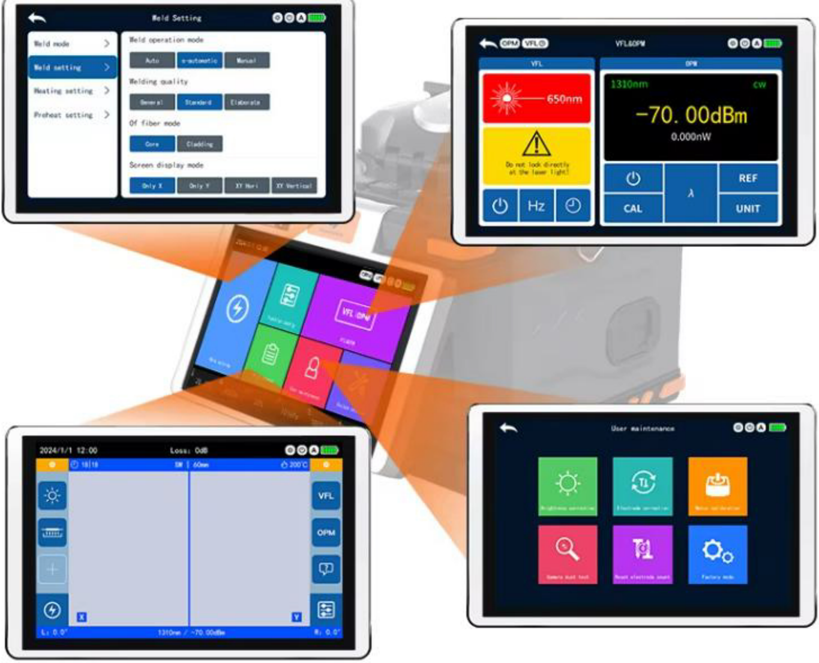
180° flippable Screen

High resolution LCD+180 ° flippable touch screen
GUI operation interface design, convenient and easy to operate

VFL | OPM
NEPSTECH

Intelligent GUI interface

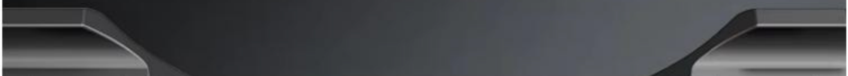
The screen is concise and clear, and the operation is smooth
Intelligent detection and prompt of welding faults


Weld Setting
Weld mode
Weld setting
Heating setting
Preheat setting
Weld operation mode
Auto
s-automatic
Manual
Welding quality
General
Standard
Elaborate
Of fiber mode
Core
Cladding
Screen display mode
Only X
Only Y
XY Hori
XY Vertical
OPM
VFL
VFL&OPM
VFL
650nm
Do not look directly at the laser light!
Hz
OPM
1310nm
CW
-70. 00dBm
0.000nW
REF
λ
CAL
UNIT
VFL OPM
2024/1/1 12:00
Loss: 0dB
18|18
SM
60mm
200℃
VFL
OPM
X
Y
L: 0.0°
1310nm / -70.00dBm
R: 0.0°
User maintenance
Camera dust test
Reset electrode count
Factory mode

Welding data can be exported and can save 10000 welding data and 1000 images

18 Seconds Heating

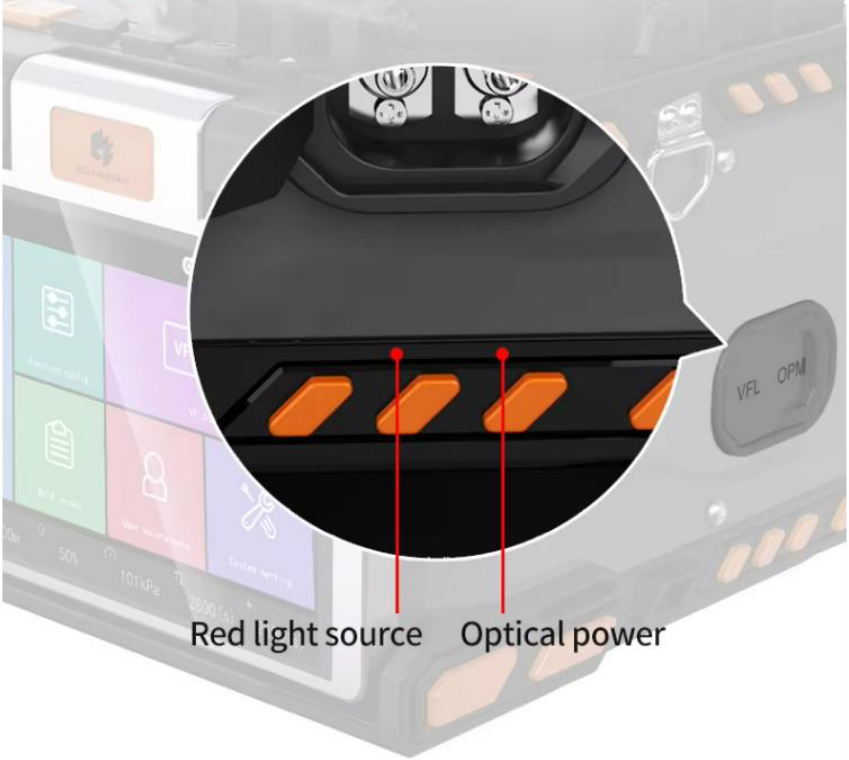
Supports automatic or manual heating mode, supports pre heating, preset 6 different heat shrink tubes to choose from, and can define and modify the temperature

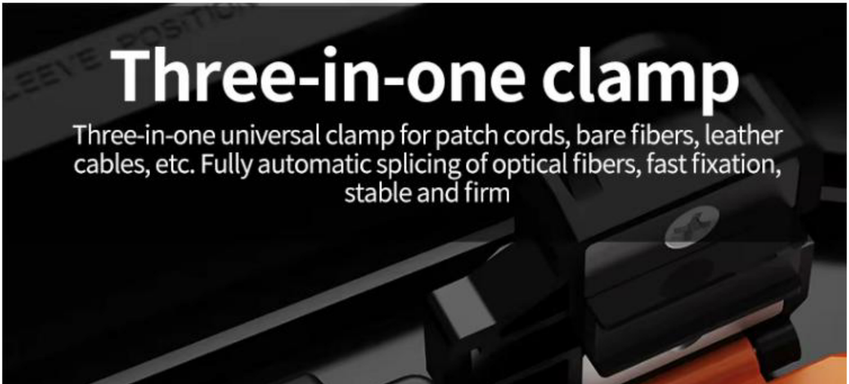


SLEEVE POSITION
60 50 45
45 50 60
8 seconds instant
7 fusion modes / low loss
Heating light

Built in VFL+OPM

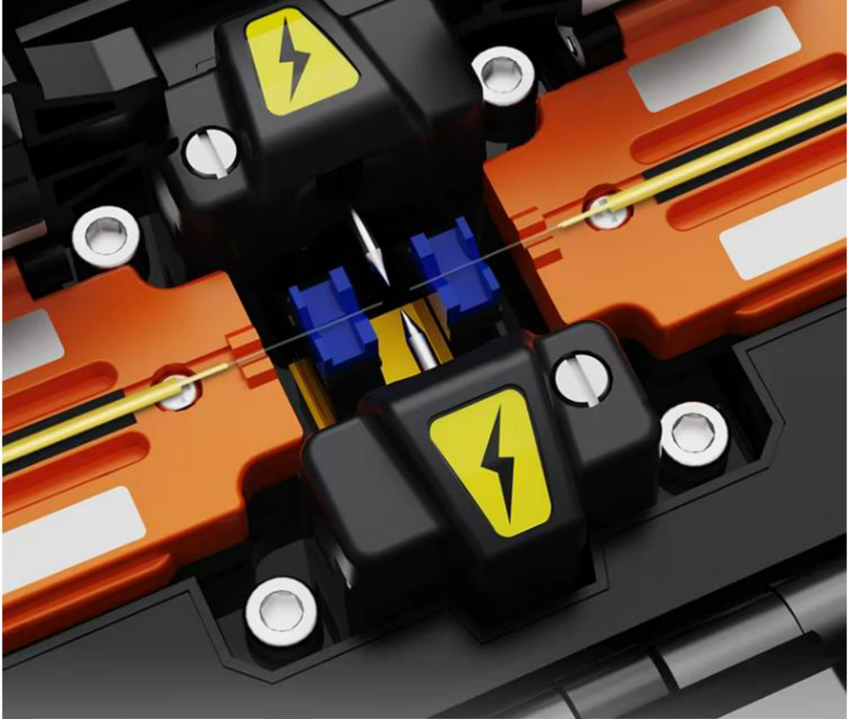
Built-in red light source and optical power, supports six wavelengths, self-calibration of optical power
Large capacity storage, can save up to tens of thousands of data

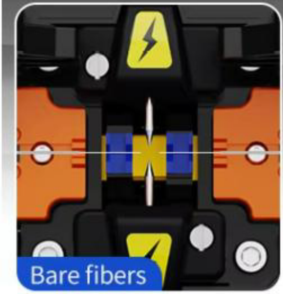

VFL
OPM
Red light source
Optical power

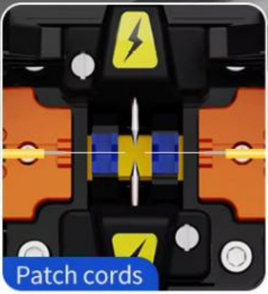


Three-in-one clamp

Three-in-one universal clamp for patch cords, bare fibers, leather cables, etc. Fully automatic splicing of optical fibers, fast fixation, stable and firm




Bare fibers


Patch cords

Leather cables

Can complete 200 fusion and heating cycles

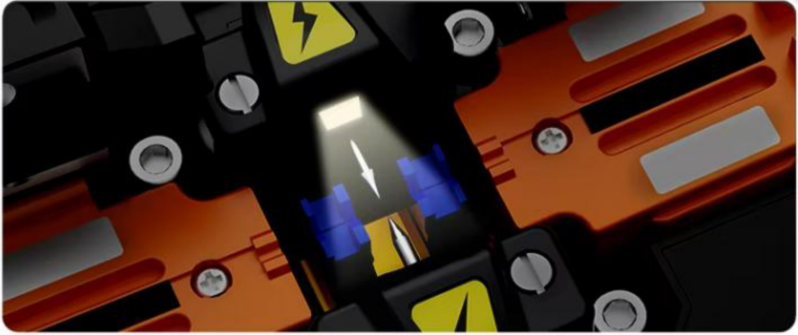
5200mAh high battery life

Pop up battery compartment for single battery charging

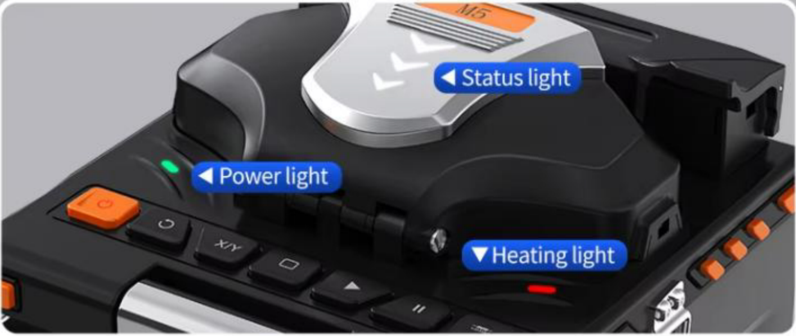
Supports automatic shutdown and power-saving modes

Push button pop-up

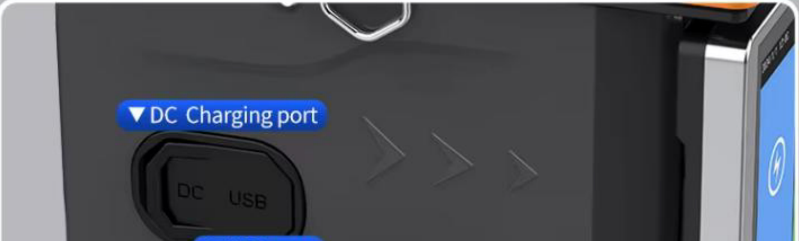
DETAIL DISPLAY



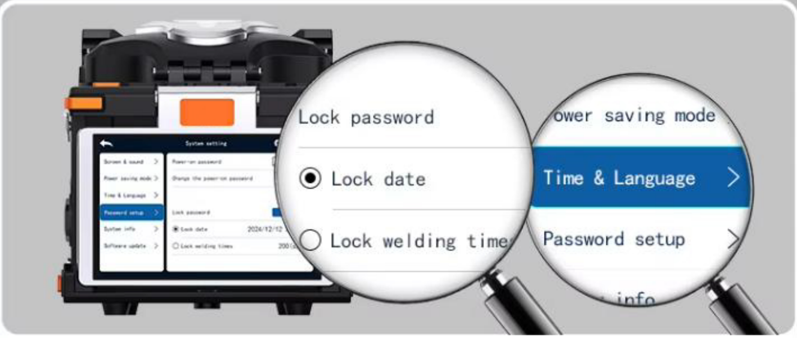
01.Equipped with LED lighting for convenient operation in dark environments


M5
◀ Status light
◀ Power light
X/Y
▼Heating light

02.With status indicator light and heating indicator light


▼DC Charging port
DC
USB

03.Supports external charging, USB upgrade, and fusion data export when turned on

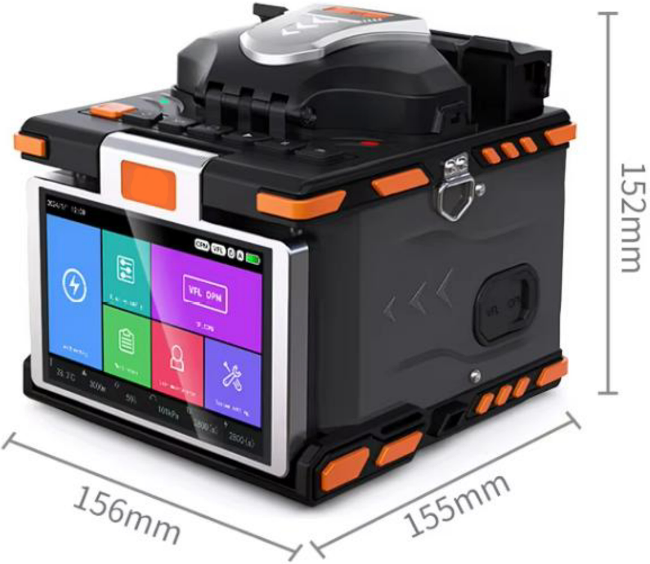

System setting
Screen & sound
Power saving mode
Time & Language
Password setup
System info
Software update
Power-on password
Change the power-on password
Lock password
Lock date
2024/12/12
Lock welding times
Lock password
● Lock date
○ Lock welding times
ower saving mode
Time & Language >
Password setup >
info

04. With rental mode and multiple language settings (customizable languages)

M5
FIBER CLEAVER
FC-6S
MADE IN CHINA

05. Equipped with dedicated toolbox and fiber optic cutting knife

Product Parameters


152mm
156mm
155mm

Electrode life	3000times	Illumination	Automatic, manual
battery capacity	5200mAh(200 times)	Charging time	⩽3.5 hours
The output voltage	DC11.1V	USB port output	5V/500mA
Charging input	AC100-240V、50/60Hz	Charging output	DC13.5V/4A
Welding machine size	156*155*152mm	Toolbox size	342*280*187mm
Weight (bare metal)	1.74KG(including battery)	Weight	4.7KG
Working environment	Temperature (°C): -15+50 Humidity: ⩽ 95% RH (without condensation) Wind speed: ⩽ m/s		

Storage conditions	Temperature (°C): -40+80 Humidity: 0~95% Battery temperature: -20 °C~+30 °C

Technical Parameters

Applicable fiber optic	SMF(G.652)/MMF(G.651)/DSF(G.653)/NZDSF(G.655)
Fiber Diameter	Cladding: 80-150 μ M; Soil cover layer; 0.1-3mm
Splice loss	0.02dB(SMF)/0.01dB(MMF)/0.04dB(DSF/NZDSF)
Alignment method	Fiber core, cladding
Focusing method	Six motor automatic focusing
Sealing	Auto/Manual
Weld time	8 seconds (typical SMF value)
Relay testing	1.96-2.25N
Image display	Capacitive 5.5-inch touch LCD screen
Magnification	300 (X/Y)/150 (X/Y synchronization)
Welding record	10000 welding data and 1000 images
Typical heating time	18S
Heating time	0-60S
Heat shrinktubing sleeve	20mm/30mm/40mm/50mm/60mm
Local OPM	Range (dBm): -70~+3 Wavelength (nm): 850-1625nm/Uncertainty:+0.5%
Red light (VFL)	≥10mW
Operation interface	GUI graphical user interface

Product configuration

Host

Toolbox

Electrodes(Optional)

Cutting knife

Stripper(Optional)

Three mouth Miller pliers

Power adapter

Brush

Alcohol bottle

Shoulder strap
hand strap

Special fiber for
dissolving correction

USER'S MANUAL
Product warranty card
Certificate
Instructions/certificate
/warranty card

FIBER FUSION SPLICER
Intelligent fully automatic fiber fusion splicer
Large-capacity lithium battery
6 motor motors
Self calibration
8 seconds fast fusion
OPM + VFL
FIBER FUSION SPLICER

Carton