

*FibreCart*

**BELIEVE  
YOUR  
EYES.**

Ultra-Portably Designed Active V-Groove Fusion Splicer

Active V-Groove Clad Alignment Splicing Method

Truly Light Weight and Handy Size

Adjustable Strap Hanger

Outstanding Magnification and Resolution

4.3" Color LCD Touch Screen

Double Tapping (Zoom in & out)

CHARACTERISTICS

# M7

Light and perfect structure



Electrode with long life

Changeable holder for multi-functional splicing

2 Bright LEDs for dark environment

Detachable heat oven for SOC

Ceramic Clamp - Improved durability

Adjustable Strap Hanger

4.3" Touch Screen with Smart GUI  
The Highest 400X magnification  
Double Tap to Zoom in & out

The image shows the M7 fiber splicing machine with various callout boxes pointing to specific features. A hand is shown touching the 4.3-inch touch screen, which displays a Smart GUI with icons for Splicing Mode, Maintenance, Working, and Heating Mode. The device is black and red, and the callouts include: Electrode with long life, Changeable holder for multi-functional splicing, 2 Bright LEDs for dark environment, Detachable heat oven for SOC, Ceramic Clamp - Improved durability, and Adjustable Strap Hanger. A small inset image at the bottom shows a close-up of the touch screen.

touch

## DESCRIPTION

M7, an active clad-alignment splicer with ultra-portable design, is the most efficient fusion splicer in the market. This small but accurate fusion splicer inherits many remarkable functionalities from sister products. M7's 4.3 inch high-resolution color LCD touch screen with user-friendly intuitive GUI(Graphic User Interface) offers large and clear fiber images to users. Moreover, the adjustable strap hanger make users to customize M7 for their working condition.



## DOUBLE TAPPING

By double-tapping the screen, users can zoom in the fiber image to the industry's highest magnification of 400x. Fiber condition can be easily checked with unaided eyes.

## SPECIFICATIONS

Model	M7
Dimension	124H x 144W x 131D (including rubber bumper)
Weight	1.56kg (including battery) / 1.31kg (without battery)
Number of Fiber	Single
Applicable Fibers	<u>SM(ITU-T G.652&amp;T G.657) / MM(ITU-T G.651) / DS(ITU-T G.653) / NZDS(ITU-T G.655)</u>
Compatible Fiber / Cable	0.25~3.0 mm / indoor Cable
Cleaved Length	10 - 16 mm
Cladding Diameter	80 μm - 150 μm
Splicing Mode	Max 100 modes, preset 9 modes
Heating Mode	Max 30 modes, preset 3 modes
Typical Splice Loss	0.03dB(SM) / 0.01 dB(MM) / 0.05dB(DS) / 0.05dB(NZDS) / 0.03dB(G.657) Measured by cut-back method relevant to ITU-T standards.
Return Loss	>> 60dB
Lighting	2 White LEDs
Splicing Time	Quick mode: 7sec (Avg.) / Typical: 9 sec (Avg.)
Estimated Splice Loss	Available
Heating Sleeve Length	20 mm - 60 mm
Heating Time	13 sec (45mm, slim 60mm), 15 sec (60mm)
Results Storage	Last 10,000 records
Tention Test	1.96~2.25N
Operating Condition	Altitude 0~5000m above sea level, Humidity 0~95%RH, -10~50°C, Wind 15m/s
Storage Condition	0~95% relative humidity, -40~80°C
Display	90° bi-directional view, 4.3" Color High Resolution Display
Fiber View & Magnification	300X magnification with 3 display modes, 400X partial magnification
Power Supply	AC Input 100-240V, DC Input 9-14V
No. of Splice / Heating with Battery	Typical usage: 130 cycles / Power save usage: 200 cycles
Operating Methods	Button / Touch Screen
Automatic Calibration	Automatic arc calibration by air pressure and temperature
Electrode Life	5500 arcs, can be extended by using an electrode grinder
Terminal	USB Type-C
Durability tests (No guarantee the product will not be damaged by these conditions.)	Shock resistance : Drop from 76cm Dust resistance : Test in the dust chamber for 8 hours (IP5X) Water resistance : Dripping water when tilted up to 15° (IPX2)

## WEIGHT AND DIMENSIONS

Height  
4.88 inches (124mm)  
Width  
5.66 inches (144mm)  
Depth  
5.15 inches (131mm)  
Weight  
3.43 pounds  
(1.56kg including battery)



## PACKAGE

Fusion Splicer	M7
High Precision Cleaver	V7
Simple Optical Fiber Collector	SC-V7-01
Fiber Holder	FH-200 /250S, FH-900S
SOC Heater Cover	HTN-SOC
AC Adapter	JS-1618
Cooling Tray	CG-22
Electrodes	E-50
Battery Pack	LBT-3000
Power Cable	ACC-25
USB Cable	CTA-01
Carrying Case	NBX-M05



The information on this catalog is subject to change without prior notice.