

# MINI FUSION SPLICER

*Model: VT-42M4*



## Description

The VT-42M4 mini fusion splicer is a compact and lightweight handheld FTTx splicer, optimized for field work and working at heights. It supports automatic splicing and automatic heating, with a fast splicing speed of 8 seconds and heating of 18 seconds. It also includes a versatile 3-in-1 fiber clamp for various fiber/cable types. Notably, the electrodes are tool-free and have a lifespan of approximately 5000 arc discharges. The battery provides approximately 220 splicing + heating cycles per charge, allowing technicians to work continuously, stably, and saving time.

## Features

- Efficient, versatile, compact, and easy to carry.
- 8-second quick splicing (SM Quick mode: 8 seconds).
- 18-second quick heating (18-second quick mode).

- Electrode lifespan of approximately 5000 splicing cycles (replaceable).
- Electrodes can be replaced by gently unscrewing without tools.
- Supports 220 splicing + heating cycles on a full charge.
- Special 3-in-1 fiber optic holder.
- Automatic heating, automatic splicing.

## Specifications

Items	Specifications
Model	VT-42M4
Splice Method	Active Clad-Alignment
Applicable Fibers	SM(ITU-T G.652&G.657) / MM(ITU-T G.651) / DS(ITU-T G.653) / NZDS(ITU-T G.655)
Compatible Fiber/Cable	0.25~3.0 mm / Rubber-insulated fiber cable
Fiber Holder	Replaceable
Fiber Diameter	Cladding:80-150μm, Coating: 100-1000μm
Fiber Cleave Length	8~16 mm
Splice Mode	Max 100 modes
Typical Splice Loss	SM: 0.03dB / MM: 0.01dB / DS: 0.04dB / NZDS: 0.04dB / G.657: 0.02dB
Return Loss	>>60dB
Splicing Time	SM Quick mode : 8 sec / SM Average: 10 Sec
Estimated Splice Loss	Available
Protection Sleeve Length	20mm, 30mm, 40mm, 50mm, 60mm
Heating Time	Quick mode 18 sec.(SM G652 250 μ m 40mm Sleeve) adjustable
Heat Programs	Max 40 modes
Battery Capacity	4000mAh Battery Capacity, Typical 220 Cycles (Splice&Heat) per Charge
Electrode Life	5000 arcs, can be extended by using an electrode grinder
Auto-start	Splice / Heating
Automatic ARC Identification	Automatic arc calibration by air pressure and temperature
Results Storage	The last 10,000 splice records and 2,000 result images
Tension Test	1.96~2.25N

Operating Condition	Altitude: 0~5000m, 0~95% relative humidity, -20~50° C, Max Wind 15m/s
Display	3.5” color high resolution (800 x 480) display
Fiber Magnification	X, Y, XY, X/Y : 320X Magnification
Power Supply	AC Input 100-240V, DC Input 9-14V
Terminal	USB2.0
Weight	1.06kg without battery / 1.35kg with battery
Size	130H x 113W x 126D mm

## Package

Items	Number
VT-42M4 Mini Fusion splicer	1
Rechargeable battery	1
Power charger	1
Cleaning wipes(box)	1
Splicing protector sleeves	1
Alcohol bottle	1
Fiber optic cleaver	1
Drop cable stripper	1
3-hole fiber stripper	1
Cooling Tray	1
Carrying case + shoulder strap	1