

Quality&Precise



# MAXWELLON TF1101

*Core to Core Alignment by PAS Technology*  
High Precision Fusion Splicer  
2025



**Maxwellon**

With smart appearance, reliable quality, this Fusion Splicer is a new and special design for installation, operation and maintenance of optical fiber specially design a precision, durable, convenient optical fiber construction instrument. Widely used in the construction, inspection, maintenance of fiber cable.

## ■ Key Feature

- Used for FTTH and trunk network
- Core to core alignment by PAS technology
- 9 sec splicing time and 30 sec heat time
- Built in 5200 mAh capacity Li battery of 300 splicing and heating
- 300 X or Y view, 150 X and Y view
- Large amplification and clear core
- 4.3 inch digital high-quality LCD screen, observe X and Y view at same time
- Three in one fixture, splicing single fiber, cable indoor and pigtail, optional for SC fast connector
- Small size and light weight, 1.7KG including battery
- V type high power automatic heater with steel based thick film, high thermal efficiency, fast heating and long life
- Streamlined super wind shield, can splice under 20 m/sec strong wind.

## ■ Specification

Splicing Type	SM, MM, DS, NZDS
Splicing Loss	0.02dB(SM), 0.01dB(MM), 0.04dB(DS), 0.04dB(NZDS)
Return Loss	>60dB
Splicing Mode	Manual, Half Auto, Auto
Fiber Alignment	Core to Core Alignment by PAS technology
Applicable Fiber	Wire Cable and 0.25mm, 0.9mm fiber, SC connector(optional)
Splicing Time	≤9s
Heat Time	≤30s
Cleaved Length	8 ~ 16mm
Fiber Image Magnification	300/ 150
View Display	4.3 inch digital high-quality LCD screen
Tension Test	Standard 2N (optional)
Heat Shrinkable Sleeve	60mm, 40mm and serials heat Shrinkable Sleeve
Battery Capacity	300~500 cycles splicing and heating, 3 hours charging time ( splicing and charging at same time)
Battery Life	Cycling charge 300-500 times, easy to replace battery
Electrodes Life	Typical 3000, easy to replace electrodes
Maximum Power	≤20W
Interface	USB Convenient data download and software update
Construction Lighting	Built in high brightness, wide range of lights, easy to operate at night
Power supply	Built in lithium battery 5200mAh 11.1V; external adapter, input: AC100-240V, output: DC13.5V/4.5A
Operating Condition	0-5000m above sea level, Temperature: -10~60 C , Humidity:0~95%RH (No dew)
Weight	1.7 KG (including battery)
Dimension (LxWxH)	150mm(L)×135mm(W)×142mm(H)

## ■ Ordering Information

No.	Name	Qty.
1	Fusion Splicer	1 set
2	Fiber Cleaver	1 pc
3	Fiber Stripper	1 pc
4	AC Adaptor	1 pc
5	Li Battery	1 pc
6	Power Cord	1 pc
7	Spare Electrodes	1 pair
8	Cooling Tray	1 pc
9	Carrying Case	1 pc
10	User Guide	1 pc



**Maxwellon Electronic Instruments Co.,LTD.**

Factory: No.6 Xiangjiang Road, Qingdao 266000, China  
Tel: 0086 13816527810

Sales Office: NO.153 Zhuzhou Rd.,Laoshan District, Qingdao 266100, China.  
Tel: 0086-532-80977508  
Fax: 0086-532-80977508

Sales: [Sales@Maxwellon.com](mailto:Sales@Maxwellon.com)  
Web: [www.maxwellon.com](http://www.maxwellon.com)