

Enabling today. Inspiring tomorrow.

# FX39

## Trunk Optical Fiber Fusion Splicer





6S fast splicing



16S rapid heating



Average loss 0.01dB



Core alignment



Six-motor alignment



Three-in -one fixture

#### Product features and functions

- 6S fast splicing, 16S fast heating
- 5000 times electrode service life
- Average splice loss 0.01dB
- 7800mAh battery, 400 cycles of splicing and heating
- Can store 10000 sets of splicing results and 2000 sets of images

- 4.3 inch LCD color display
- Silicone protective cover, can effectively waterproof, anti-fall, anti-vibration
- Real-time discharge correction, stable splicing accuracy
- USB interface, convenient for data download and software update
- Small size, easy to carry and transport

### **Product selling points:**



5000 times electrode life



Durable Ceramic Fiber Pressure Heads



Six-motor positioning



Replaceable universal fixture, SOC fixture (optional)



Dedicated threein-one fixture



7800mAh lithium battery

	09:57 X Fiber:-0.0	Loss e: 4°	stimate Y Fiber:-0	.09°
09:57 Loss estimate X Fiber:-0.04° Y Fiber:-0.09°	H: -0.02° V: 0.32° ∍∕€		H: 0.07° V: 0.27° ▶ :Contin	H: -0.16° V: 0.52° ue
H: -0.02° H: 0.06° V: 0.32° V: 0.77° H: -0.16° V: 0.27° V: 0.52° ∍/€ :Manual Arc ▷ :Continue	6S fast splicing	E	alignment	16S fast heating

# 7800mAh lithium battery

MODEL: BTR-78 Charging Cut-off Voltage: 12.6V Max Charging Current :4.5A Capacity: 7.8Ah Power: 84.24Wh	100%
WARNING: The lithium battery pack "12.6V 4.5A Charging port"	
only applies to manufacturer specified Lithium battery charger, other power adapters are strictly prohibited.	Charging time : 3.
READ INSTRUCTION MANUAL BEFORE USE. 1. Do not disassemble this battery pack. 2. Do not short-circuit termainals.	
<ol> <li>Bo not short-circuit termanas.</li> <li>Do not discard battery pack into fire.</li> <li>Use only specified battery charger to recharge battery pack.</li> </ol>	
5. When recharging battey pack, · Do not place in direct sunshine. · Atmospheric temperature	
Must be 40°C (104°F) or lower. 6. The lithium battery pack can be separated from the Fusing Splicer and charged with a charger.	
S/N:	400 times of welding + heating

## **Product parameters:**

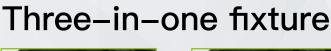
Alignment method	Core to core alignment		
Applicable fiber type	SM(ITU-T G.652&G.657) / MM(ITU-T G.651) / DS(ITU-T G.653) / NZDS(ITU-T G.655)		
Fiber type	Replaceable universal fixture, SOC fixture (optional)		
Fiber diameter	Cladding diameter: 80–150µm, Coating diameter: 100~1000µm		
Cutting length	8~16 mm		
Splicing mode	Maximum 128 groups		
Splicing loss	SM: 0.02dB / MM: 0.01dB / DS: 0.04dB / NZDS: 0.04dB / G.657: 0.02dB ★①		
Return loss	>>60dB		
Splicing time	6 seconds(SM G652 QUICK mode)		
Loss estimation	Yes		
Heating time	16Seconds(SM G652 250um 40mm heat shrink tube,based on quick mode) User adjustable		
Applicable heat shrinkable length	20mm, 30mm, 40mm, 50mm, 60mm		
Heating mode	Maximum 32 groups		
Battery capacity	7800mAh lithium battery, each cycle supports 400 times splicing and heating $\star$ ②		
Electrode life	About 5000 times discharges ★③		
Automatic discharge calibration	Automatically calibrate according to ambient temperature and air pressure changes		
Result storage	10000 sets of splice data, or 2000 sets of splice images		
Tension testing	1.96~2.25N		
Operating conditions	Altitude:0~5000meters,Relative humidity:0~95%,-20~50 ,Maximum wind speed:15meter/secon		
Storage condition	Relative humidity 0~95% , -20~60°C temperature		
Display screen	4.3 inches, high-definition LCD display		
Zoom in and display	X, Y, XY, X/Y : 320 times magnification		
Weight	1.72kg without battery / 2.25kg with battery		
Size	158H x 132W x 157D mm (including rubber bumper)		
Port	USB2.0		

★① Use standard optical fiber, according to the ITU-T and IEC standard cut method to test the results, the loss will change due to the environment and the characteristics of the optical fiber.

★② The results measured in room temperature environment are largely affected by the battery usage status and operating environment

 $\star$  (3) The life of the electrode will change due to the environment, fiber type and splicing mode











## **Product configuration:**



## **Product display :**



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