

Chinese innovation,  
Tumtec's production



## single core project / fiber fusion splice

Splicer Master **FST-83A**



**Bismon**<sup>®</sup>  
COMMUNICATION PRODUCTS

3s  
turn on



6s  
fast splicing



15s  
heating



- V-groove for accurate core to core alignment of high quality with low loss.
- Human-based design automatic fiber-splicing mode.
- Dust-proof, wind-proof, good adaptation of bad environments.
- 4.3 inches high-resolution Color capacitive touch-screen, 500+ magnification, clearly visible with bare eyes.
- Packed with detachable 5200mAh battery, more than 280 times of splicing and heating; high-power LED white light simplifies your work at night .

# Splicer Master **FST-83A**



\*[FST-83A version : V1.1.0]

Please refer to the real product. It will not have any notice for changes of content.

## configuration list

### specification

name:	FST-83A
size of host machine:	W*L*H 140*165*148mm (including rubber bumper) / 130*165*138mm (excluding rubber bumper)
weight:	host machine 1.9KG (including rubber bumper) / 1.6KG (excluding rubber bumper) , weight of battery 0.38KG
Application scenarios:	FTTH, trunk project
Alignment method:	core to core alignment, 4 motors
number of fiber:	single fiber
type of fiber:	SM / MM / DS / NZDS
diameter of fiber:	0.25-0.3mm / indoor cable
Fiber placement and cutting length:	coating diameter 0.125-1mm / cleave length 8-16mm
splicing mode:	multiple splicing modes
typical splice loss:	0.01dB-0.05dB
return loss:	≥ 60 dB
lighting:	3 high-power LED white light
splicing time:	6-10s
estimated splice loss:	yes
splicing length:	20-60mm
heating time:	multiple heating modes / typical heating time 30s
results storage:	1000 records
tension test:	1.5-2.0N
operating condition:	altitude 0-5000m, relative humidity 0-95%, -10~50°C, 15m/s max wind speed
storage condition:	relative humidity 0-95%, -40~80°C
display:	90°bi-directional view, 4.3 inches 480*272 high-resolution color capacitive touch-screen
fiber view & magnification:	X, Y, X/Y: double click 500 times magnification
power supply:	AC 100-240V, DC 12-15V
heating with battery:	battery capacity 5200mAh
heating times:	typical heating times more than 280 times
operating method:	button / touch screen
adaptive discharge:	automatic ARC calibration by air pressure and temperature
electrode life:	3500 ARCS (battery life can be extended more than 20% by using an electrode grinder)
terminal:	Mini USB 2.0

 fiber fusion splicer host machine (1 set)	 fiber cleaver (1 set)	 large capacity battery (1 piece)	 power adapter (1 set)
 electrode bar (1 pair)	 carrying case (1 set)	 carrying case straps (1 set)	 fiber tray (1 set)
 cleaning blower (1 set)	 alcohol bottle (1 set)	 brush (1 set)	 Phillips screwdriver (1 set)
 operating instruction (1 copy)	 splicing test report (1 copy)	 dual port fiber stripper [optional]	 Rubber insulated wire stripping device [optional]

