



A **TC-88** egy kompakt, kis-súlyú és könnyen kezelhető mini optikai kábel hegesztő készülék.

Élénk-színekkel dolgozó, tökéletes képalkotó rendszer, és precíz képfeldolgozó módszer biztosítja az optikai szálak irányba tartását a profi, kis veszteséget okozó hegesztéshez. A nagy-kapacitású lítium telep megbízható garancia hosszú idejű terepi munkákhoz is. Összegezve, a **TC-88** egy teljesen automatikus működésű, könnyű, nagy-tudású, biztonságosan használható, kis teljesítmény igényű és könnyen kezelhető optikai szál hegesztő.

Main Features

- Based on the principle of PAS; adopt advanced image detection algorithm
- Double core align structure, higher success rate of fusion and lower loss
- Adopt 4.3 inches 16:9 TFT colorized LCD screen
- Typical fusion time: 7s
- Typical heating time: 25s standard
- Reliability design, strengthen shockproof, dustproof and other functions
- Low power consumption design makes it possible to work long time with many functions operated at the same time
- Multi-functional, small-sized, portable: can greatly improve working efficiency
- Detect the air pressure, temperature, humidity and other environmental factors; can automatically calibrate arc.

Specifications

- Applicable Fiber Types: SM, MM, DS, NZDS
- Applicable Fiber Core: Single Core
- Applicable Fiber Diameter: Cladding Diameter: 125 μm, coating Diameter: 250... 900 μm
- Splicing Time: 7 s
- Heating Time: 25 s
- Average Fusion Splice Loss: 0.03 dB (SM), 0.02 dB (MM), 0.06 dB (DS), 0.06 dB (NZDS)
- Alignment: Both core and cladding alignment
- Echo Loss: Better than 60 dB
- Fusion splice Duration Time: 7 sec (typical parameter)
- Tension Test: 2N
- Monitor: 4.3" color LCD, English/Chinese optional
- Magnification Times: X/Y: 115 times, X or Y: 230 times
- Power Supply: 11.1V Lithium battery, 13.5V/5A power adapter
- Battery: Typically work 180 times (Fusion Splicing / Heating)
- Single battery charge 3 hour; can recycle 500 times
- Splice Results Storage: 5000 groups of the latest records
- Data Interface: USB2.0
- Operating Environment: Elevation: 0~4000m,
- Relative humidity: 0~95%
- Temperature: -10°C~55°C
- Maximum wind speed: 12m/s:
- Storage Environment: Relative humidity: 0~95%
- Temperature: -40°C~80°C (Except Battery)
- Temperature: -10°C~30°C (Battery)
- Dimensions / Weight (kg): 150 L×130 W×128 H mm / 1.6 (without battery), 1.8 (with battery)

Main Interface

The main interface consists of four primary screens:

- Home Screen:** Features a grid of icons for Function, SpliceMode, Maintain, System, History, and Help. It includes a 100% battery indicator, an 'Enter' button, a 'Back' button, and a timestamp '89: 38 2014-01-31'.
- Splicing Screen:** Displays 'SM/Auto ID: 100' and a fiber alignment diagram. It shows alignment parameters: L: 0.1°, R: 0.5°, J: 0.1°. Includes 'Next step' and 'Reset' buttons, and a 'Running' status indicator.
- SpliceMode Settings Screen:** Lists various thresholds and modes:

Fiber angle threshold	0.8 °
Align offset threshold	0.4 μm
Loss threshold	0.10 dB
Compensation arc time	1.0 s
Fiber alignment mode	Core allgn
Fast splice mode	Off
- Function Settings Screen:** Lists system settings:

Sleeve heating mode	Enter
Arc compensation	on
Tension test	on
Reset waiting time	12 s
Auto starting	on

Packing List



TC-88 Fiber Splicer
1 pc



Carry Case
1 pc



Fiber Cleaver
1 pc



Covered Cable Stripping
Plier 1 pc



Miller Clamp
1 pc



Power Adapter
1pc



Alcohol Bottle
1 pc



Spare Electrode
1 pair



Nipper
1 pc



User Manual
1 pc



Blowing Dust Ball
1 pc



Cooling Tray
1 pair



Operating Floor
1 pc



Fiber Holder
1 pair



Test Report
1 pc



Packing List
1 pc