XTND-7503FS
Optical Fiber Fusion Splicer

6 MOTOR CORE ALIGNMENT FAST SPLICE

Product Introduction

XTND-7503FS optical fiber fusion splicer is a mini fiber splicing equipment which is compactly designed, easy to carry and operate. It has vivid and exquisite image-forming system and high precision image processing technology on fiber alignment, which leads to its high proficiency in splicing and low loss. Its beautiful operation interface and body design conforms to operation principle of ergonomics, which greatly improves user experience. It is equipped with large capacity pluggable lithium battery, which provides reliable guarantee for a long time work. XTND-7503FS is a totally automatic small, light and beautiful optical fiber fusion splicer with high performance, highsecurity, low power consumption.

Product Features and Technical Index

Features

- Based on the principle of PAS(Lateral Projection System), adopting 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: 7 seconds;
- Typical heating time: 9 seconds, automatic intelligent heating when close the cover;
- Reliability design strengthens shockproof, dust-proof and other functions;
- Low power consumption design makes it possible to work long time with many functions operating at the same time;
- Multi-functional, small-sized, portable, greatly improving working efficiency;
- Capable to detect air pressure, temperature and humidity and other environmental factors and automatically calibrate arc.
- Pluggable battery, convenient and quick charge;
- The straps can be used for aerial work.

Technology Indexes

Table 1-1 Main technical indexes

Applicable Optical Fiber Types	SM(Single mode), MM(Multi-mode), DS(Dispersion shift), NZDS (Non zero dispersion shift)
Motors	Six motors
Applicable Optical Fiber Core Number	Single core
Applicable Optical Fiber Diameter	Cladding diameter: 80-150μm, Coating diameter: 100～1000μm
Fusion splice Model	Prestore: 40 groups, User define: 80 groups
A verage using Splice Loss	0.02dB(SM), 0.01dB(MM), 0.04dB(DS), 0.04dB(NZDS), 0.04db(BIF/UBIF)
Echo Loss	Better than 60dB
Fusion splice Duration Time	9sec(typical parameter) /7 the sec (fast mode)
Loss Estimation of Fusion Splice	Exist
Tension Test	2N
Monitor	4.3 inches colorized LCD, Support in both Chinese and English, Spanish, Russian, French, Portuguese and other display
Optical Fiber Magnification Times	X/Y:180times, X or Y:350 times
Power Supply	6800mAh Lithium battery, 13.5V/5A power adapter
Battery	Typically work 260 times(Fusion splicing / Heating /Hot stripping), Single battery charge 3Hourcan be recycled 500 times
Splice Results Storage	10000 groups of the latest record
Data Interface	USB2.0
Operating Environment	Elevation:0~5000m, Relative humidity:0~95%, Temperature:-20℃~55℃, Maximum wind speed: 15m/s
Storage Environment	Relative humidity:0~95%, Temperature:-40℃~80℃ (Except Battery), Temperature:-10℃~ 40℃ (Battery)
Weight of the Equipment	1.93kg(Include battery)
High altitude operation	Cornering, machines can be directly hung on the operators neck normal
Applicable Sleeve	60mm, 45mm, 40mm(FP-03)
Heating time	Cover and automatic heating, v-shaped 9s rapid thermal shrinkage
Heating temperature	180~300℃(customizable)
Applicable Optical Fiber Cable Diameter	250μm, 900μm, 2~3mm

Standard Assembly of Fusion Splicer

Table 1-2 Standard Package

Serial Number	Description	Diagrammatic Sketch	Quantity
1	XTND-7503FS Optical Fiber Fusion Splicer		1
2	Power Adapter		1
3	AC Power Line		1
4	Plastic tweezers		1
5	Backup Electrode Bar		1
6	Cooling Tray		1

7	Carrying Bag		1
8	Miller Pincers		1
9	Stripper		1
10	Multi-function jig		1
11	Dust- Blowing Ball With brush		1
12	User Manual		1
13	Cleaver		1
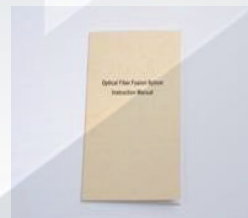
Figure 1-2 Keyboard View

Table 1-4 Keyboard Function Descriptions

Keyboard Icon	Name	Function
⏻	Power key	Power on / off
⋀⋀⋀	Sleeve heating Key	Start sleeve heating
←	Exit Key /switch key of XY field of view	Return to previous menu, field X, Y switch in Optical fiber mode
⊞	Menu/ Confirm	Enter menu, Press enter key on the menu
↻	Reset key	Equipment reset
▶	Start Key	Start alignment Start fusion splicing
▲	Up key	Menu cursor moves upward
▼	Down key	Menu cursor moves downward
◀	Left key	Menu cursor moves to the left, reset the current option
▶	Right key	Menu cursor moves to the right reset the current option

Contact us

XTND Solutions INC
www.xtnd-connect.com
Email: support@xtnd-connect.com
Tel.: +1 (647) 297-1791
100 Consilium Pl #401 Toronto, Canada