



# Optical Fiber Fusion Splicer

## TnT-A 10S







### Product Information









- 7s Fast splicing(Ultra-fast welding time)
- 9s V-Groove Fast Heating(Ultra-fast heat shrink time)
- Multi-function fixture (for a variety of fiber types)
- 5 inches colorized LCD (LCD large HD display)
- Large capacity lithium battery(Support 260times welding)


Project	Technical Parameters
<b>Applicable Optical Fiber Types</b>	SM(Single mode), MM(Multi-mode), DS(Dispersion shift), NZDS(Non zero dispersion shift)
<b>Applicable Optical Fiber Core Number</b>	Single core
<b>Applicable Optical Fiber Diameter</b>	Cladding diameter: 90-150μm, Coating diameter: 125~1000μm
<b>Average Fusion Splice Loss</b>	0.02dB(SM), 0.01dB(MM), 0.04dB(DS), 0.04dB(NZDS)
<b>Echo Loss</b>	Better than 60dB
<b>Fusion splice Duration Time</b>	9sec(typical parameter)/7sec(fast mode)

<b>Heat shrinkable heating time</b>	9s V-Groove Fast Heating(can be customized)
<b>Loss Estimation of Fusion Splice</b>	Exist
<b>Tension Test</b>	Above 2N (optional)
<b>Monitor</b>	5 inches colorized LCD, support Chinese, English, Spanish, Russian, French, Portuguese, display
<b>Optical Fiber Magnification Times</b>	X/Y:200 Times, X or Y:400 Times
<b>Power Supply</b>	11.1V Lithium battery, 13.5V/5A power adapter
<b>Battery</b>	Typically work 260 times(Fusion splicing / Heating), Single battery charge 3Hours,can be recycled 500 times,6800HA Lithium battery
<b>Splice Results Storage</b>	10,000 groups of the welding record storage
<b>Data Interface</b>	USB2.0
<b>Operating Environment</b>	Altitude: 0~5000m, Relative humidity:0~95%(No condensation),Temperature:-20°C~55°C, Maximum wind speed:15m/s
<b>Storage Environment</b>	Relative humidity:0~95%(No condensation), Temperature:-40°C~80°C (Except Battery), Temperature:-10°C~40°C (Battery)
<b>Weight of the Equipment</b>	1.56KG (No battery),1.81KG(Include Battery)
<b>Size</b>	158×138W×138H(mm)
<b>Environmental Monitoring</b>	When there are different temperature, humidity and altitude ,the machine can make automatic detection and prompts the user to do self inspection and discharge correction
<b>Safety protection</b>	Electrical system protection program: the lithium battery is featured with fire ,explosion and high temperature proof, the circuit board can prevent circuit over current and over voltage
<b>Quality Record</b>	It Can detect and record the fiber angle,verticality and the angle between the fibers
<b>Forced Welding</b>	It can be forced welding according to the users needs.
<b>Night work lighting</b>	LED Double white light
<b>Fusion Image Storage</b>	Can store 10 pieces
<b>Applicable heat shrink tubing diameter</b>	2mm,3mm,4mm,6mm
<b>Applicable heat shrink tubing length</b>	60mm,45mm,40mm(FP-03)
<b>heating method</b>	Two ways: automatic lid and manual key heating (optional)
<b>Through light welding</b>	Can be operated under red light welding
<b>Drop</b>	1 meter height free drop can be measured
<b>Environmental protection</b>	Low power standby, automatic screen saver
<b>Intelligent control</b>	Heat shrink temperature control adaptive function
<b>Efficient and safe</b>	Perfect software protection,Dual CPU control,Special fireproof material

### Standard Package

	Description	Picture	Quantity
1	Optical Fiber Fusion Splicer	 A blue and black optical fiber fusion splicer device with a control panel on the front.	1
2	Power Adapter	 A black rectangular power adapter with a power cord and a connector cable.	1
3	AC Power Line	 A black AC power line with a standard three-prong electrical plug and a connector.	1
4	Backup Electrode Bar	 A small clear plastic bag containing a backup electrode bar, with a label that reads "ELECTRODES (pair)", "Model: TE-101-02", and "Made in Japan".	1

5	Plastic tweezers		1
6	Multi-function jig		1
7	Cooling Tray		1
8	Carrying Bag		1
9	Miller Pincers		1
10	Cleaver		1
11	Stripper		1
12	Dust- Blowing Ball With brush		1

<p><b>13</b></p>	<p>Instruction Manual</p>		<p><b>1</b></p>
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