

XFO-600 Optical Fiber Fusion Splicer



Features

- Handy, easy-to-carry, solid and durable.
- Color LCD.
- Data can be uploaded to PC via USB cable.
- Intelligent power volume indicator and auto power-off at low voltage.
- Visual interface.
- Built-in heater
- It provides a wide range of fusion and heating parameters for your choice.
- Built-in light (make optical-fiber placement more convenient)

Overview:

The machine employs high-speed image processing technology and special positioning technology, allowing the total process of fusion splicing to be finished within 10 seconds. Large-screen LCD clearly demonstrates every stage of optical-fiber fusion splicing. As the machine is compact in size, light in weight, it is ideal to work in outdoor environment. In addition, it is easy to operate, fuses fast, with low fusion loss, especially suitable for the construction and maintenance of the optical-fiber works built in a wide range of sectors including telecommunications, broadcast & TV, railway, petrochem, electricity, army, police, as well as teaching and research of scientific institutes. In order to finish the fusion operations more accurately, please thoroughly read this Manual.

Tools

- Fiber Cleaver
- Adapters
- tweezers
- alcohol container
- Stripping tool



Specifications

Applications	SM(single-mode), MM(Multi-mode), DS(Dispersion displacement), NZDS(Non-zero dispersion displacement)
Splicing Loss	0.02dB(SM), 0.01dB(MM), 0.04dB(DS), 0.04dB(NZDS)
Return Loss	Greater than 60dB
Operation mode	Full auto, semi-auto, manual
Average splicing time	10s
Average heating time	36s
Fiber aligning method	Core aligning, clad aligning
Fiber diameter	Cladding diameter : 80 ~150 μ m , Coating diameter : 100 ~1000 μ m
Fiber cleaved length	10~16mm(coating diameter: <250 μ m) ; 16mm(coating diameter: 250~1000 μ m)
Lens magnification	Vertical double display: 310x; horizontal double display, 155x
Display	High-definition 5.1" 640*480 LCD provides fine and clear images
Tension test	Standard 2N(optional)
Heat shrinkable tube	60mm, 40mm and a series heat shrinkable tube
Battery Capacity	Typical: 250 times of splice, it takes 3.0 hours to fully charge it (the machine is operable during charging process)
Battery Life	300~500 charging cycles
Power volume display	Real-time power volume display in the screen
Electrodes Life	Typical 5000times, customer can change electrode by himself
Optical-fiber clamp	New design allows optical-fiber positioning to be easier and more accurately.
Construction Lighting	Built-in high-brightness, wide-range light substantially increases easiness of construction at night
External ports	Standard USB port
Power supply	Built-in 11.8V lithium battery; external adapter, input: AC100-240V, output: DC12.6V/5.0A
Operating Condition	Temperature: -10~+50; humidity: 95%RH(40, no condensation); height: 0~5000m above sea level
Weight	2.4kg(exclusive of battery), 2.9kg(inclusive of battery)
Dimension (LxWxH)	169mm(L) \times 152mm(W) \times 155mm(H)