

Optical Fiber Splicer Machine

Core to Core Alignment Six Motors Fusion Splicer



Description:

A-970 Fiber fusion splicer is a 6-motor fusion splicer with the latest fiber core to core alignment technology, it has very stable performance and low fusion loss, it is suitable for different fiber optical projects, including backbone, FTTx, etc.

Alignment	Six motors fusion splicer, real core to core alignment technology.
Action Timing	6s splicing, 18s heating, identify fiber types automatically.
Connectivity	Used for WAN/ MAN/ Telecommunication projects.
Warranty	5 Year Service Warranty.

Features:

- ❖ 6 motors accurate core to core alignment.
- ❖ Identify fiber types (SM/MM) automatically.
- ❖ 6 seconds splicing & 18 seconds heating.
- ❖ Automatic & real-time ARC calibration.
- ❖ Real-time heating temperature monitoring.
- ❖ Anti-shock, anti-vibration, dustproof & waterproof.
- ❖ Apply to 250um/0.9mm/2.0mm/3.0mm fibers.
- ❖ Without reflective-mirror design, easy to maintain.

Specifications:

Brand	atop
Model	A-970
Applicable fiber	SM (ITU-T G.652), MM (ITU-T G.651), DS (ITU-T G.653), NZDS (ITU-T G.655), EDFA, Others (including G.657)
Diameter of cladding	80 -150μm
Diameter of coating	160-900μm
Typical splice loss	SM: 0.02dB, MM: 0.01dB, DS: 0.04dB, NZDS: 0.04dB
Return loss	> 60dB
Fiber cleaved length	5-16mm (coating diameter < 250um), 16mm (coating diameter:250-1000um)
Splicing program	40 groups
Operate mode	Automatic/Manual
Auto-heating	Available
Typical splicing time	6 seconds
Typical heating time	18 seconds for 60mm and 40mm shrinkable sleeves

Fiber magnification	250X (X or Y view), 125X (X and Y view)
Display screen	2 CMOS cameras, 5.0-inch color LCD monitor
Records storage	5000 groups data and 100 groups image
Loss evaluation	Available
Tension test	>2.2N
Interface	GUI menu interface, easy for operation
Battery	5200mAh Li-battery, typical 300 cycles splicing and heating, support separating charging, operating time more than 5 hours, discharging time more than 8 hours
Power supply	Adapter, input: AC 220±30V(50/60HZ), output: DC 12±2V
Electrodes life	More than 5000 ARC discharges, can be replaced conveniently
Terminal	USB2.0 port, for uploading splicer results and upgrading software
Operating conditions	Altitude: 0-5000m, Humidity: 0-95%, Operating Temperature: -25°C~+50°C, Storage temperature -40°C~+80°C ; Wind speed: Max 15m/s
Dimension	156mm(L) * 141mm(W) * 156mm(H) (including rubber armor)
Weight	2.45kg (including battery)

Standard Accessories:

No:	ITEM
1	Carrying case
2	Fiber cleaver
3	Fiber stripper
4	Drop cable stripper
5	Power cord
6	Adapter
7	Cooling tray
8	User manual (USB)
9	Spare electrodes
10	Cleaning tool kit
11	Strap

