

## OPTICAL FIBRE FUSION SPLICER

- ✓ Anti-shock protector
- ✓ Fibre aligning by means of core aligning method
- ✓ FASTER splicing: 7 s splicing, 25 s heating
- ✓ Applicable fibers: SM, MM, DS and NZDS

Fusion splicer model **PROLITE-41** from **PROMAX** is one of the **smallest and lightest** optical fiber splicing equipment available in the market today, featuring the **fastest splicing speed**.

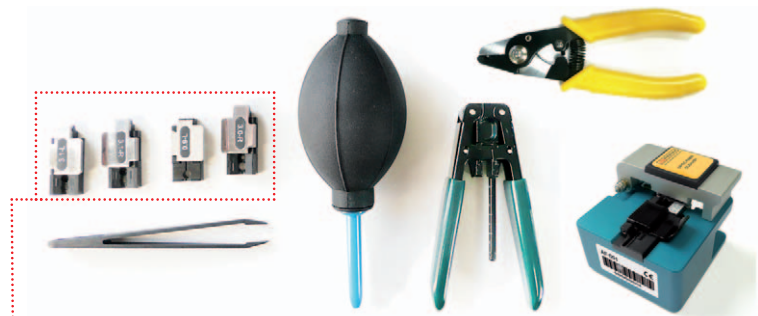
**PROLITE-41** uses advanced Optical Core Alignment fiber adjustment technology. Adopt four motors drive, have fiber adjustment function, it is not only used for FTTx environments, but also can be used for the trunk line of a telecommunication system.

Fusion Splicer **PROLITE-41** is a mini-type fusion splicing machine built in a titanium alloy body designed to be waterproof and dustproof. It includes an **anti-shock protector**.



### Details that make the difference

- ✓ Includes accessories for **immediate operation**: two strippers (for fibre and for drop cable), cleaver, dust blowing pear, isopropyl alcohol dispenser...
- ✓ Higher resolution LCD with configurable **screen orientation**
- ✓ **Replaceable** Heating Unit
- ✓ **Interchangeable** fiber holders
- ✓ **USB** Port



### Interchangeable Fiber Holders

User-replaceable fiber holders can be swapped at any time using a fast and safe magnet-guided fitting.

# OPTICAL FIBRE FUSION SPLICER

SPECIFICATIONS	PROLITE-41 OPTICAL FIBRE FUSION SPLICER
Applicable Fibers	SM(Single mode), MM(Multi-mode), DS(Dispersion shift), NZDS(Non zero dispersion shift)
Return Loss	≥ 60dB
Average Fusion Loss	0.03dB (SM) / 0.02dB (MM) / 0.06dB (DS) / 0.06dB (NZDS)
Fiber Diameter	Cladding diameter: 125 μm. Coating diameter: 250 μm ~ 900 μm
Fiber Adjustment Mode	Both core alignment and cladding alignment
Pull Test	2N
Magnification	115x (X/Y axis) / 230x (X axis or Y axis)
Screen	LCD 4.3"
Splice Results Storage	5000 groups of the latest records
Fusion splice Model	Prestore: 40 groups, User define: 80 groups.
Fusion splice Duration Time	7s
Heating time	35 s (60 mm) / 28 s (40 mm).
Loss Estimation of Fusion Splice	Yes
Lighting Mode	Internal High-brightness LED supply convenience for night work
Electricity Show	LCD show the remaining electricity accurately
Power supply	
Internal battery	11.1 V user-replaceable lithium battery. Equipment can be used while charging the battery
Battery capacity	Typically work 180 times (Fusion splicing/Heating)
Battery charging time	3 h
Battery cycle life	Up to 500 times
Car Power Supply	12V direct charging port, convenient for quick charging
AC adaptor	External Power Adapter, Input: AC100 ~ 240V. Output: DC 13.5V/5A
External Ports	USB 2.0 Port
Mechanical features	
Dimensions	150 (D.) × 160 (W.) × 140 (H.) mm. (including antishock protector)
Weight	1.6 kg (without battery), 1.8kg (including battery)
Included accessories	Anti-shock protector, fibre drop cable stripper, optical fibre stripper, cleaver, dust blowing pear, isopropyl alcohol dispenser, tweezers, interchangeable fibre holders, AC adapter, carrying case