300T

Trunk Fusion Splicer

JILONG
Since 1993

33RD ANNIVERSARY
1993-2025 Edition

- All Metal construction
- core alignment
- 3D surround dual heating slots
  10s heating (fast mode)
- Tool-Less disassembly SOC holder
- 9000mAh Li-ion battery
- 500 splice+heat cycles per charge

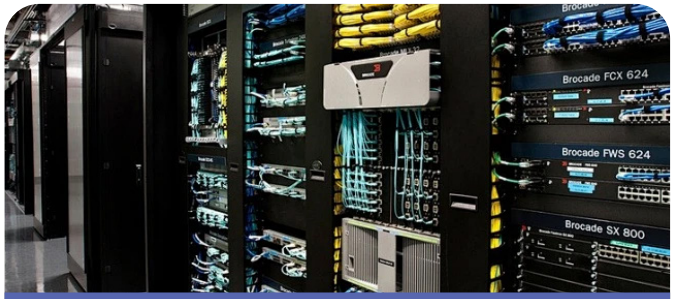
Application scenarios

Based on 30 of dedicated R&D, 300T employs state-of-the-art fiber core alignment technology, effectively minimizing splice loss in long-haul backbone networks. With a all-metal body and an intuitive human-machine interface, it maintains exceptional stability even in harsh operating environments. The unit is widely used in backbone transmission, FTTx deployment and maintenance, as well as security and surveillance systems.

National Trunk Network

Provincial Trunk Network

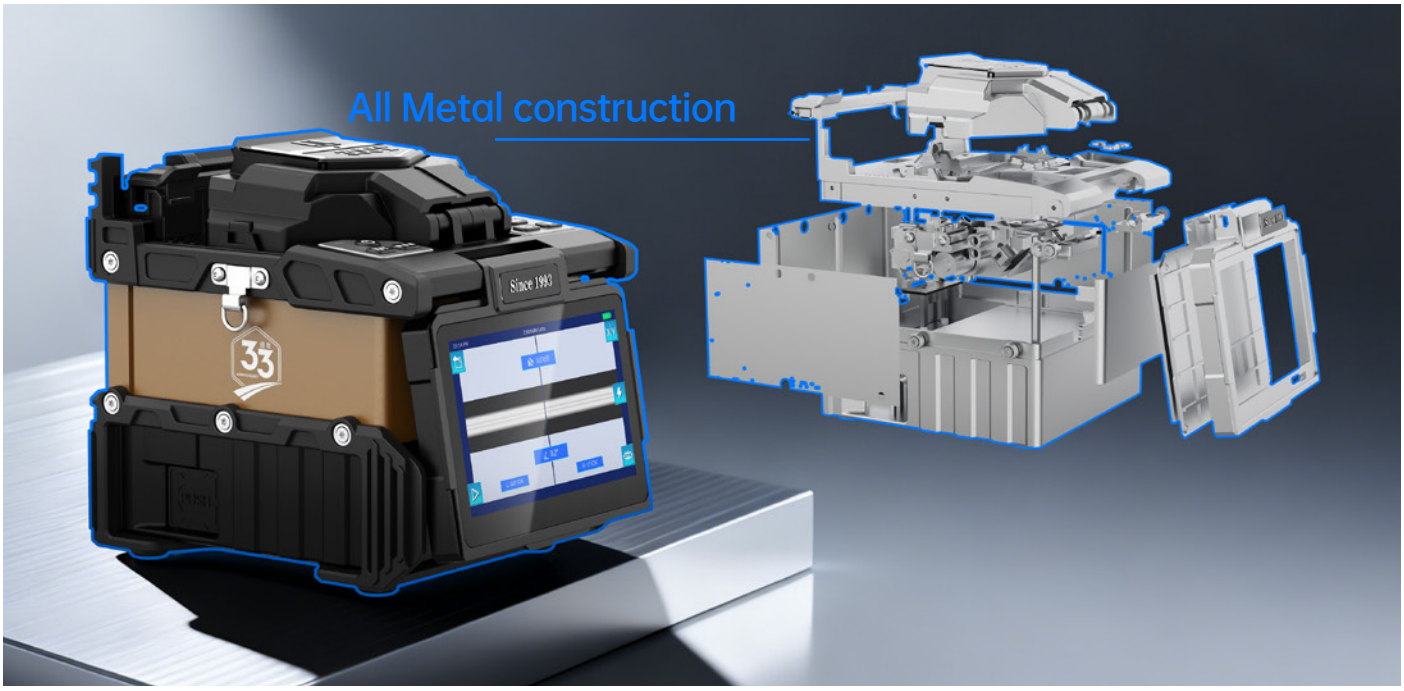
Extreme-Environment Engineering



Engineering of Electronic Equipment

All Metal construction

Metal components make up 65% of the unit's weight (battery excluded).

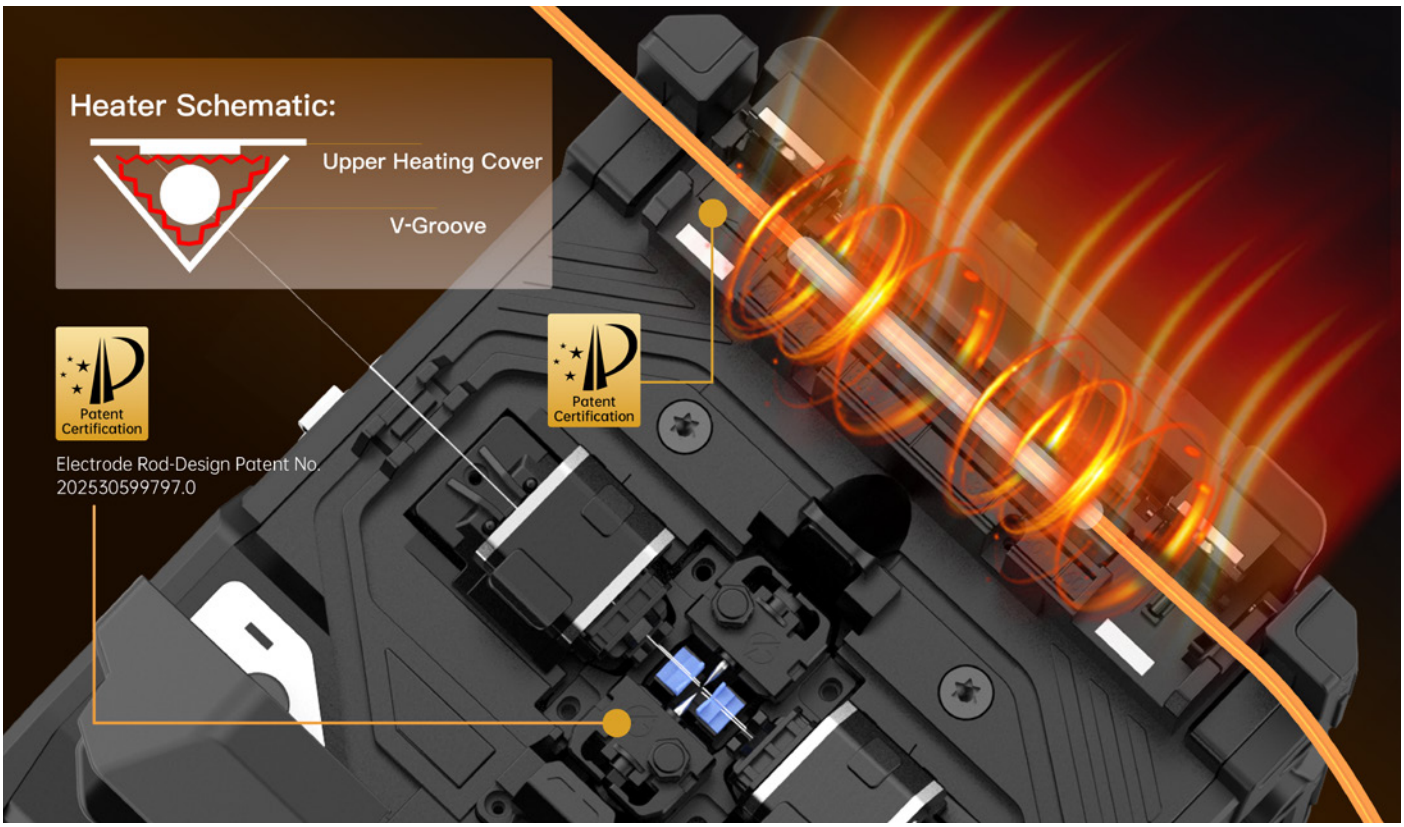


5-inch Capacitive Touch Screen

Intuitive operation and clear core-alignment visuals minimize setup stress and boost field confidence.

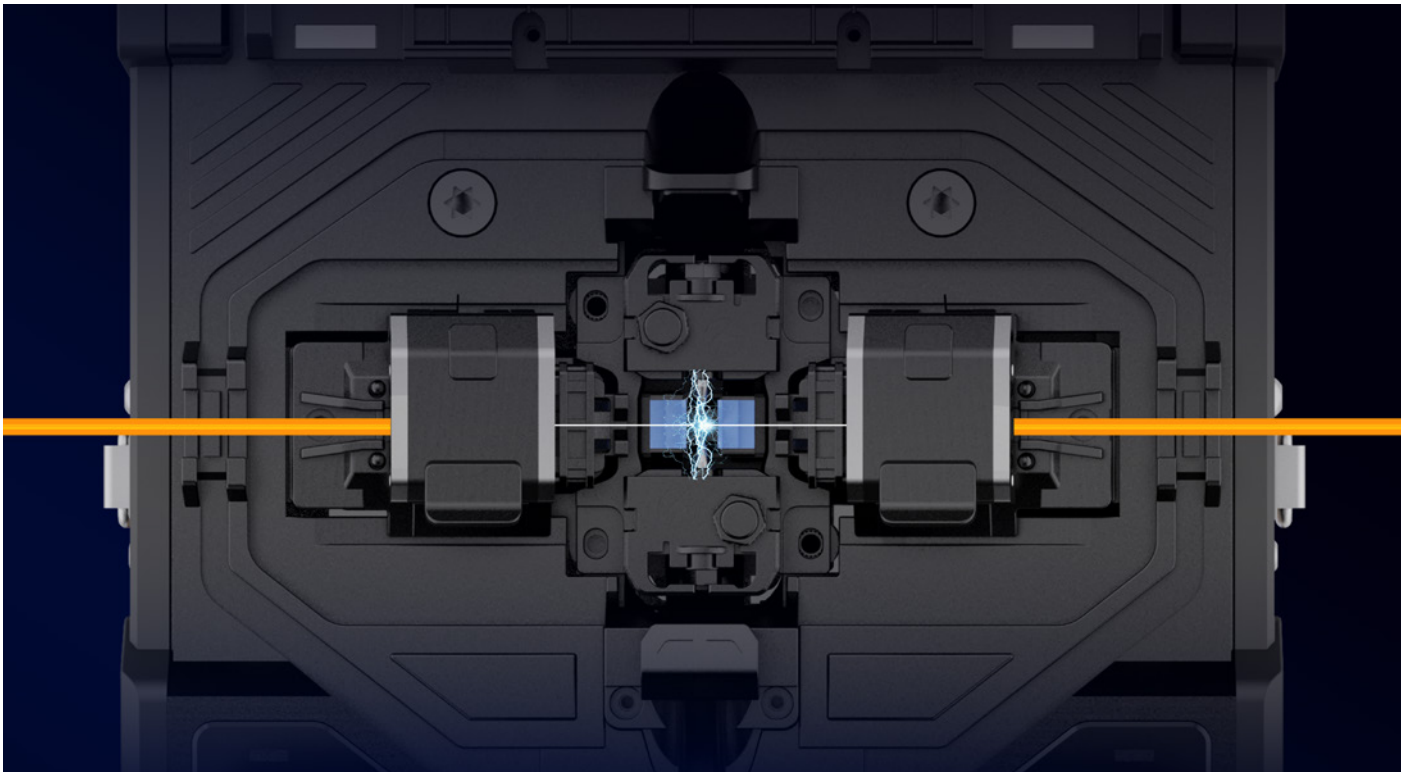
3D surround dual heating slots

10s heating (fast mode).



6s Splicing

Splice in 6s. Work at Double Pace.



Tool-Less disassembly SOC holder

One-Touch Switching. No Delays. Maximize Backbone Productivity.

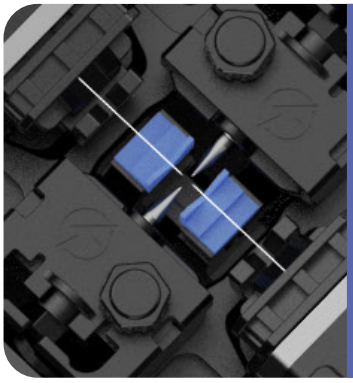
Dual-Layer Cooling Tray

Say goodbye to single-layer congestion! The dual cooling tray offers 2x loading capacity, doubling fusion efficiency.

9000mAh Li-ion Battery

9000mAh Battery. Zero Power Worries.

Product Display



Blue V-Groove

Precision Control
of Fiber Alignment

3D Button

Clear Marks.
Clear Function.

LED

Quality Work.
No Matter the Light.

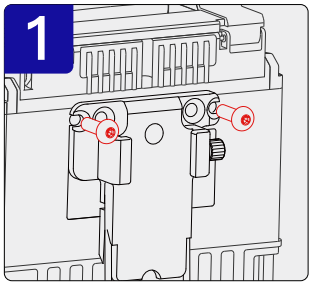
USB2.0

USB 2.0 Port –
Simplifies On-Site
Splicer Operation.

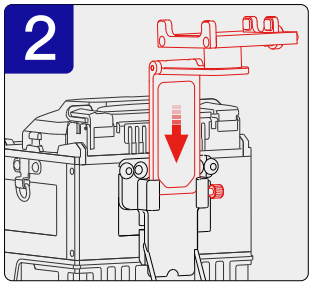
Rich Expandability Cleaver Operation Table

All-In-One Station: Cleaving & Splicing in Place.

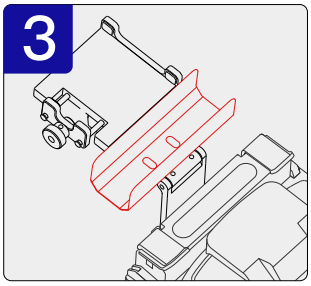
Installation Guide



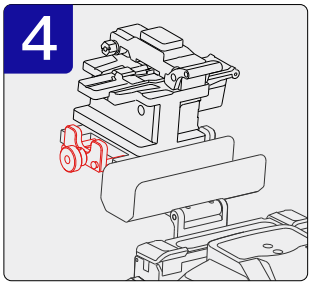
Use screws here to secure the base and chassis.



Insert bracket, then hand-tighten the screw.

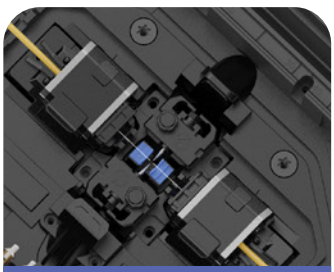


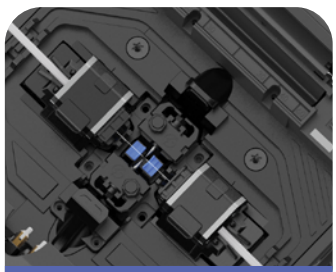
Position the cooling tray onto the designated area of the bracket.

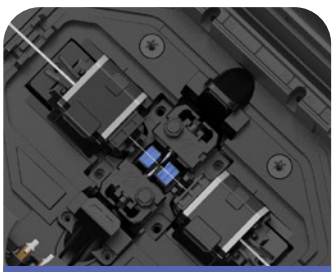


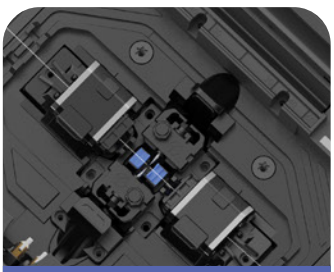
Place cleaver, tighten screw, and begin work.

Compatible Fusion Types









Enjoy lifetime free service

Standard Configuration

① Multi-functional Workstation Carrying Case x1

② Fusion Splicer Main Unit x1

③ Fiber Cleaver x1

④ Lithium Battery 9000mAh BTR-90S x1

⑤ Power Cord / Power Adapter x1

⑥ Cooling Tray x1

⑦ Fiber Cleaver Carrying Case x1

⑧ Alcohol Dispenser Bottle x1

⑨ Fiber Heat Shrink Sleeves (100 pcs)

⑩ 3-hole Fiber Stripper (2-in-1 Drop Cable Stripper) x1

⑪ Spare Electrodes Box (Spare Electrodes + Utility Knife + Brush) x1

Product Specifications

Alignment Method:	Core Alignment
Applicable Fiber Types:	SM(ITU-T G.652&G.657) / MM(ITU-T G.651) / DS(ITU-T G.653) / NZDS(ITU-T G.655)
Fiber Category:	0.25~3.0mm/Drop Cable
Fiber Holder:	Replaceable Universal Holder
Fiber Diameter:	Cladding:80-150μm, Coating:100~1000μm
Cleave Length:	8~16 mm
Splicing Modes:	Max. 128 groups
Splice Loss:	SM:0.02dB/MM:0.01dB/CS:0.03dB/DS:0.04dB/NZDS:0.04dB/G.657:0.02dB ★①
Return Loss:	>>60dB
Splicing Time:	6s(SM G652 QuickMode)
Loss Estimation:	Available
Heating Time:	10s(SM G652 250μm 40mm heat shrink tubing Fast mode)user adjustable
Applicable Sleeve Length:	20mm,30mm,40mm,50mm,60mm
Heating Modes:	Max. 32 groups
Battery Capacity:	9000mAh Lithium battery, approx. 500 splice & heat cycles per charge ★②
Electrode Life:	Approx. 5000 discharges ★③
Auto Start:	Splicing / Heating
Auto Fiber Identification:	Supported
Auto Arc Calibration:	Automatic calibration based on ambient temperature and air pressure
Result Storage:	10,000 splice records or 2,000 splice images
Tension Test:	1.96~2.25N
Operating Conditions:	Altitude: 0~5000m, 0~95% relative humidity, -20~50°C, Max Wind 15m/s
Storage Conditions:	0~95% relative humidity, -20~60°C
Display Screen:	5.0 inch High-definition LCD display
Magnification & Display:	X,Y,XY,X/Y:320x magnification
Power Supply:	AC Input 100-240V, DC Input 9-14V
Port:	USB2.0
Main Unit Weight:	2.367kg(without battery)/2.9kg(with battery)
Host Size:	167Hx 147Wx 166D mm (including protective case)

*** All Metal Material:** Excluding the battery, metal components account for over 65%+ of the weight.

*** 500 Splice + Heat Cycles on Full Charge:** Results obtained in a room temperatureenvironment using 0.25mm fiber and 40mm sleeves; results are largely influenced bybattery status and operation.

*** Cleaver Workstation:** The workstation must be purchased separately.

① Results are tested using standard fibers according to ITU–T and IEC standard truncation methods; loss varies due to environment and fiber characteristics.
② Results obtained in a room temperature environment; largely influenced by battery status and operating environment.
③ Electrode life varies due to environment, fiber types, and splicing modes.

General Disclaimer: The images above are for illustrative purposes. Due to lighting, environment, and production batches, details of the actual product may differ slightly from the graphics; please refer to the physical product. Unless otherwise noted, all data comes from the JILONG laboratory; actual use shall prevail. Comparisons involving other functions or brands are for illustrative purposes only and do not target specific brands or products.

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