

# G654E-6-Motor

## Trunk Fusion Splicer

### 300T



- ▶ All Metal construction
- ▶ 6-Motor, core alignment
- ▶ G654E fiber compatible
- ▶ 3D surround dual heating slots
- ▶ 10s heating (fast mode)
- ▶ Tool-Less disassembly SOC holder
- ▶ 9000mAh Li-ion battery
- ▶ 500 splice+heat cycles per charge

ANNIVERSARY  RD  
1993-2025  
Edition

## Application Scenarios

Based on 30 years of dedicated R&D, 300T employs state-of-the-art 6-motor fiber core alignment technology, effectively minimizing splice loss in long-haul backbone networks. With an 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



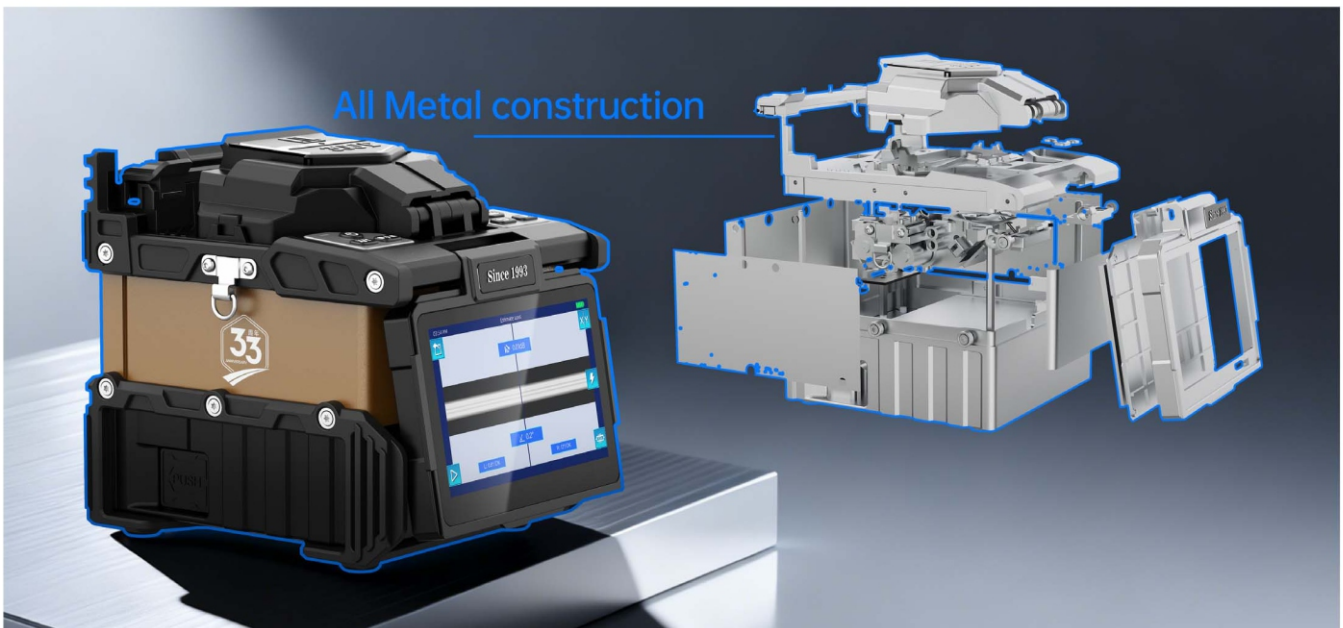
Extreme-Environment Engineering



Engineering of Electronic Equipment

## All Metal construction

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



## **G65AE Fiber Compatible**

Core-Network Grade: Master G.654E splicing, achieve stable loss <0.03dB!



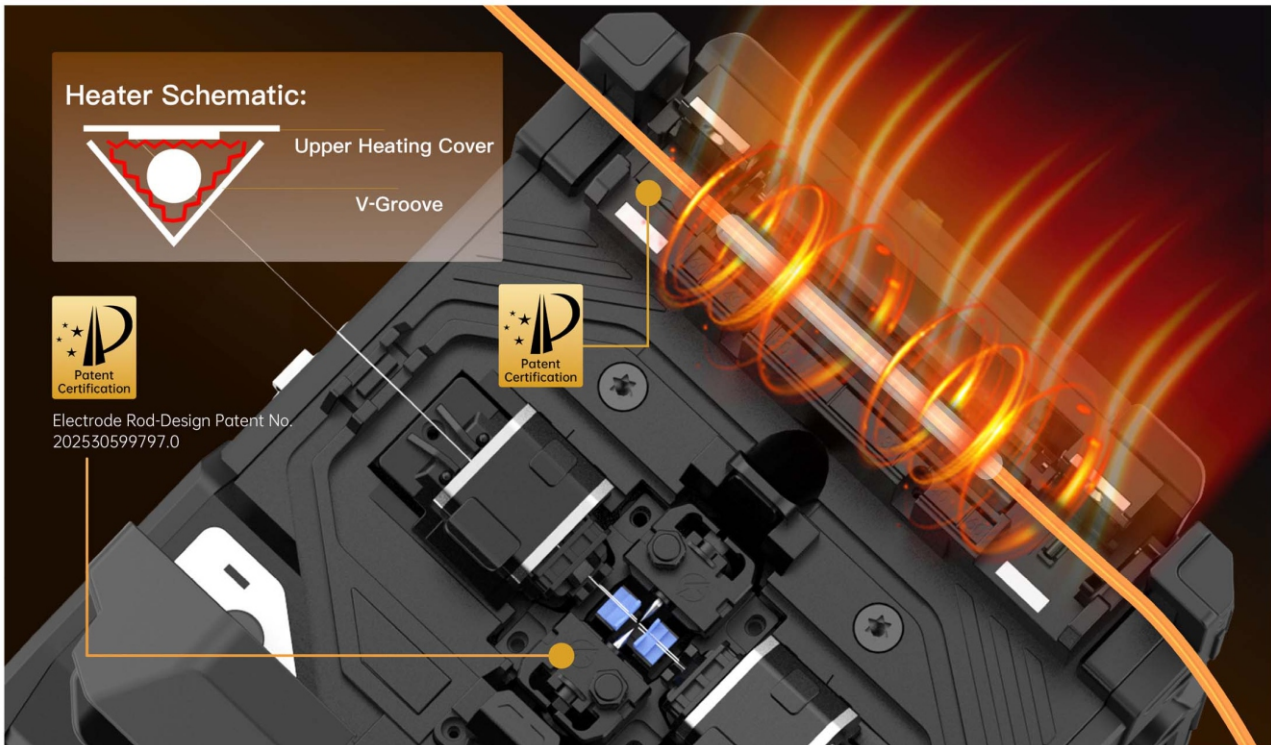
## **5-inch Capacitive Touch Screen**

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



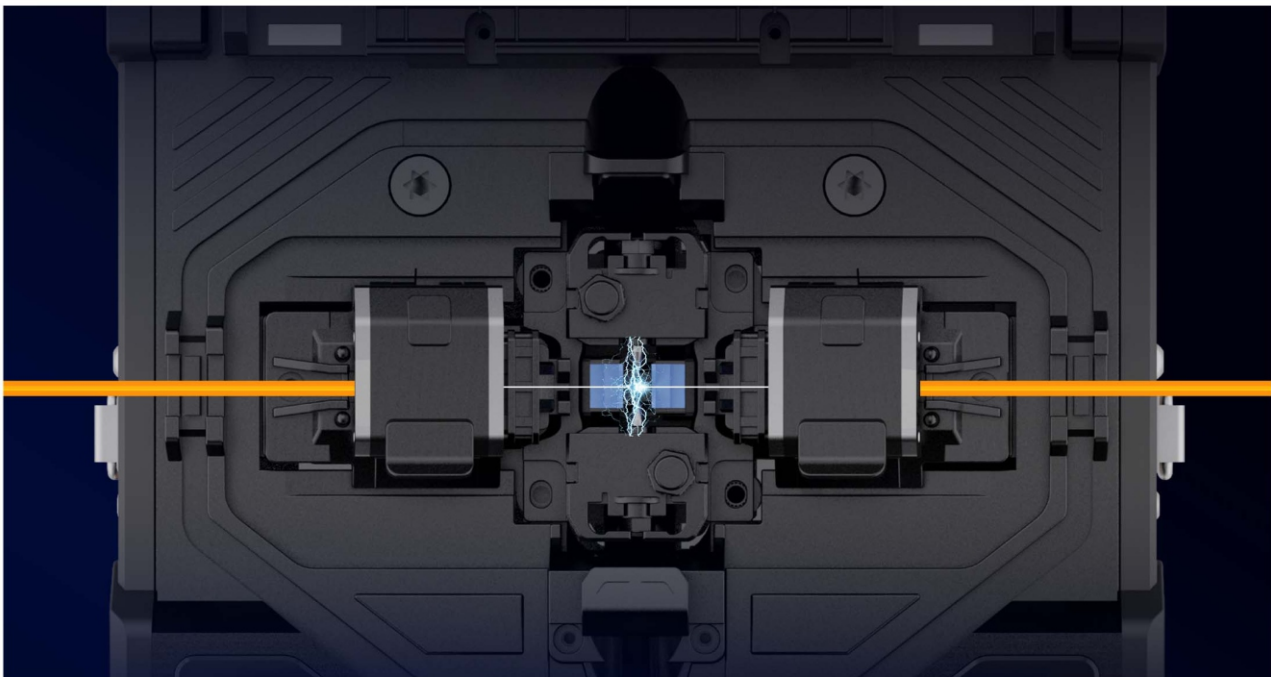
## 3D surround dual heating slots

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.



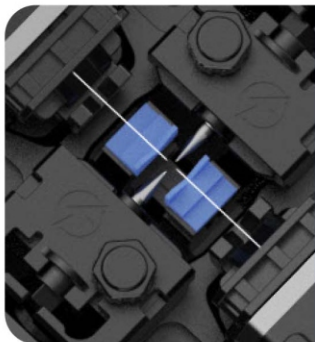
# 9000mAh *Li-ion Battery*

9000mAh Battery. Zero Power Worries.



500 Splice+Heat  
Cycles Per Charge

## Product Display



### Blue V-Groove

Precision Control  
of Fiber Alignment



### 3D Button

Clear Marks.  
Clear Function.



### LED

Quality Work.  
No Matter the Light.



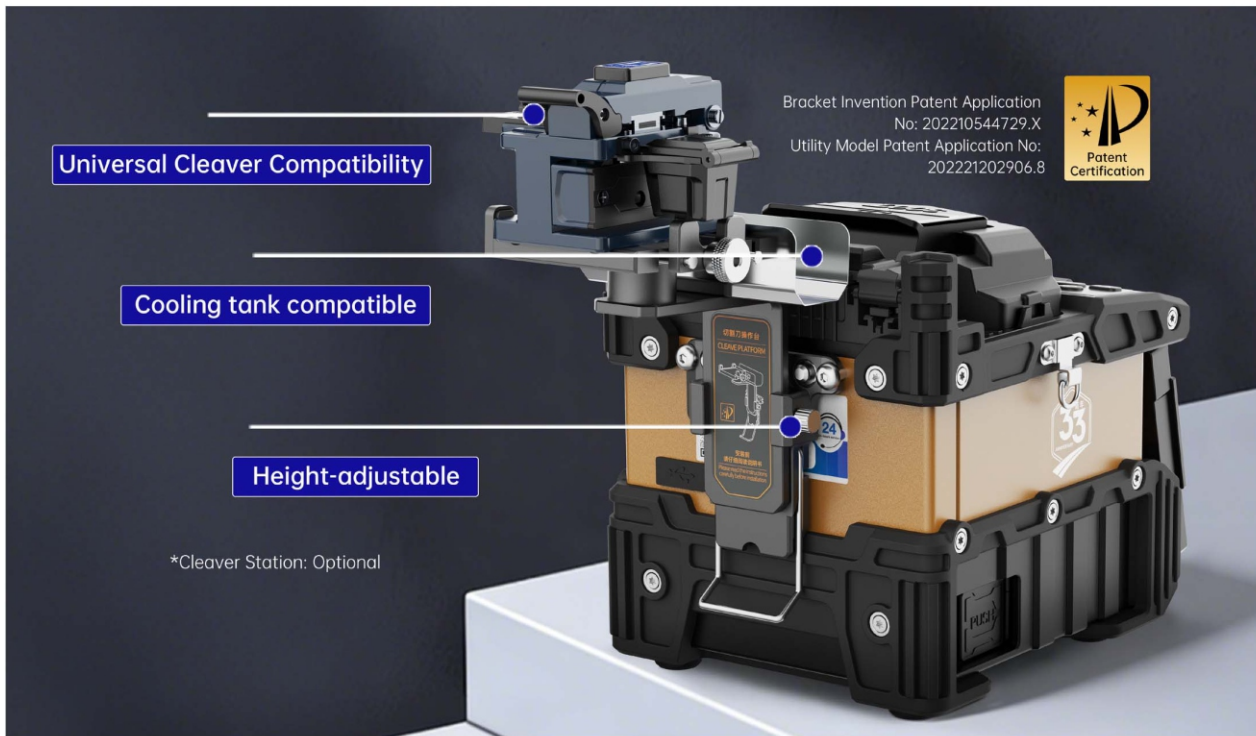
### USB2.0

USB 2.0 Port –  
Simplifies On-Site  
Splicer Operation.

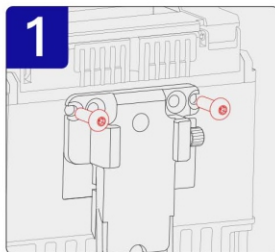


# Rich Expandability *Cleaver Operation Table*

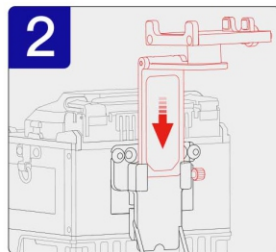
All-In-One Station: Cleaving & Splicing in Place.



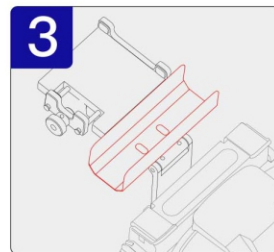
## Installation Guide



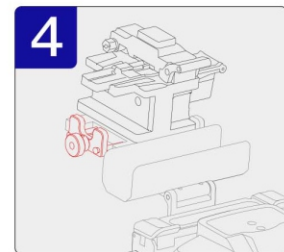
1 Use screws here to secure the base and chassis.



2 Insert bracket, then hand-tighten the screw.

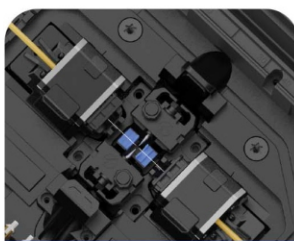


3 Position the cooling tray onto the designated area of the bracket.

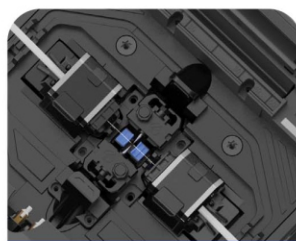


4 Place cleaver, tighten screw, and begin work.

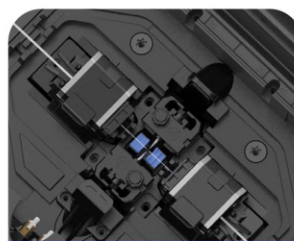
## Compatible Fusion Types



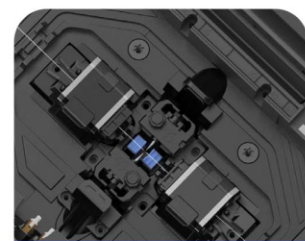
Patch Cord



Drop Cable

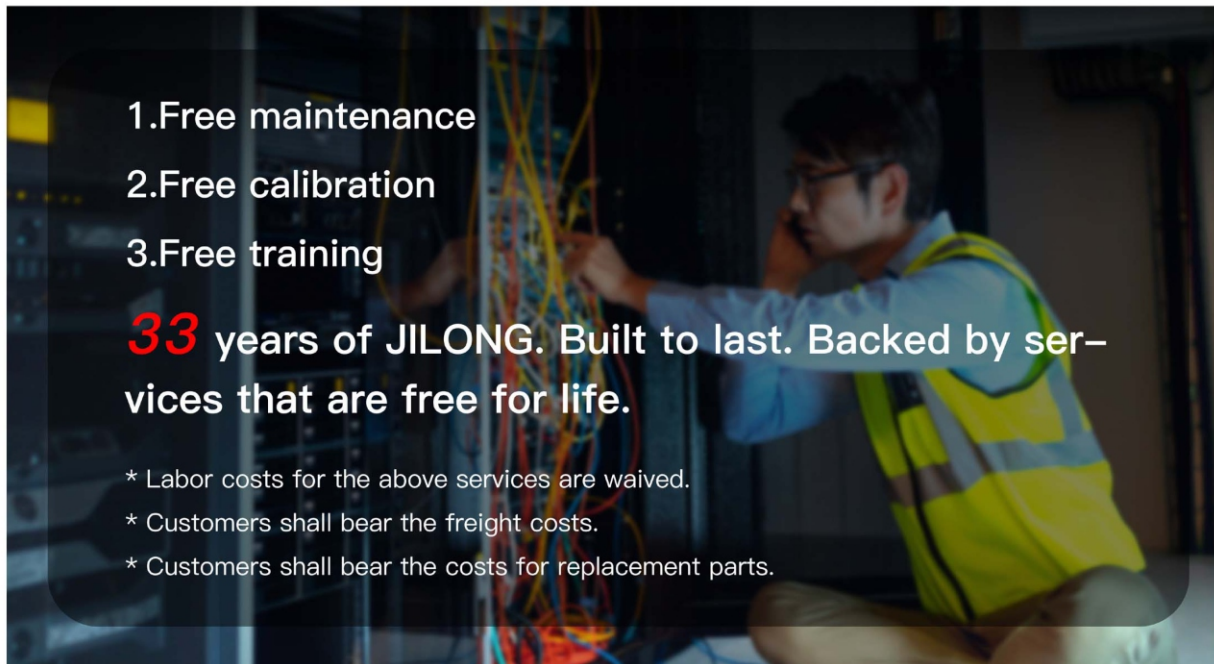


Pigtails



Bare Fiber

## Enjoy lifetime free service



1.Free maintenance

2.Free calibration

3.Free training

**33** years of JILONG. Built to last. Backed by services that are free for life.

\* Labor costs for the above services are waived.

\* Customers shall bear the freight costs.

\* Customers shall bear the costs for replacement parts.

## 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) /CS(ITU-T G.654) / 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:80-150 $\mu$ m, Coating:100~1000 $\mu$ m
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 ★ <sup>①</sup>
Return Loss:	>>60dB
Splicing Time:	6s(SM G652 QuickMode)
Loss Estimation:	Available
Heating Time:	10s(SM G652 250 $\mu$ m 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 ★ <sup>②</sup>
Electrode Life:	Approx. 5000 discharges ★ <sup>③</sup>
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)