

# VT-42S ARC Fusion Splicer

Core Alignment Splicing Method with PAS Technology

The Highest Magnification and Resolution

High quality technology chipset

Ultra-High Capacity Battery

Auto heating more efficient

4.3" Color LCD Screen

Fast Heating Time

User Friendly



## Core Alignment Fusion Splicer

Quality assurance promises, technology to create future

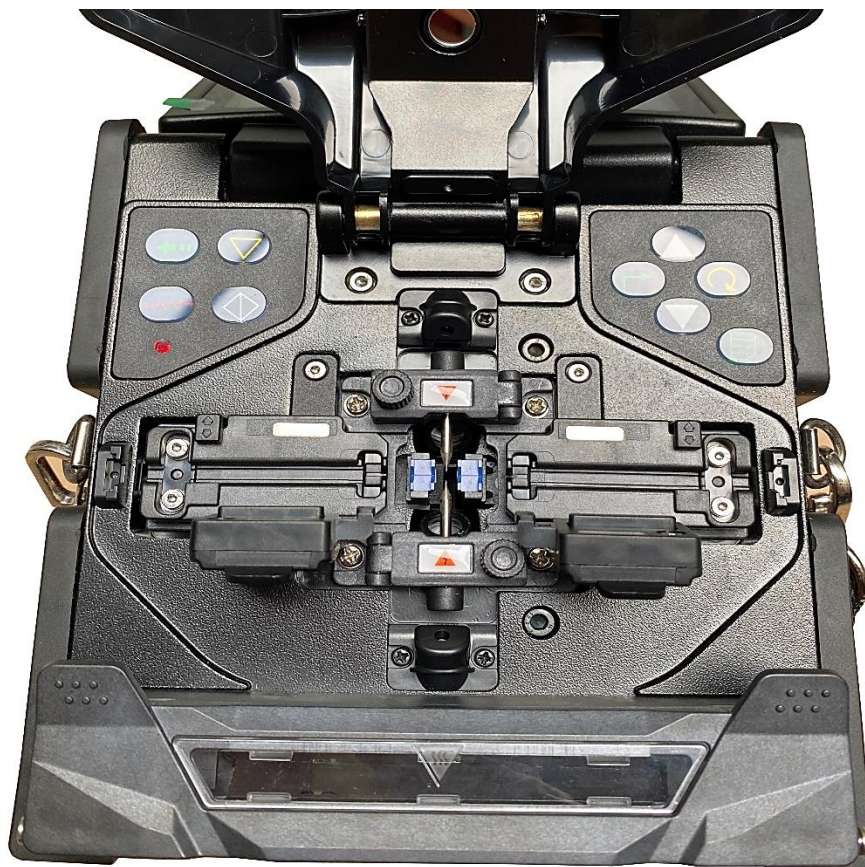
### Description

VT-42S is an automatic fusion splicer for SM, MM, DS, NZ-DS(G655), EDF and other fibers. Despite its small size, this ruggedized, full-featured unit offers unmatched versatility for splicing in the most challenging environments. The innovative transit case and work tray provide multiple options for the best utilization of available work space. VT-42S splicers are suitable for core alignment. Using one of these methods the two cleaved fibers are automatically aligned by the fusion splicer in the x,y plane, then are fused together. The bare fiber area is protected either by recoating or with a splice protector. A splice protector is a heat shrinkable tube with a strength membrane and less loss.

### Features

- Industry-Standard Chips World fast splicing and heating time: ~7 second splicing and ~13 second heating
- Newly-designed carry case: easy carry and can be as work plate
- Powerful battery and Top Quality electrode: up to more 250 times of continuous splice and heat and more 5500 times life span electrode
- Neat and light design, integrated with 2-mode circuit holder, convenient when using conventional
- Terminal solder and subscriber optical cable (drop cable)
- Equipped with double VGroove for more precise setting operation
- Fully Automatic Operation

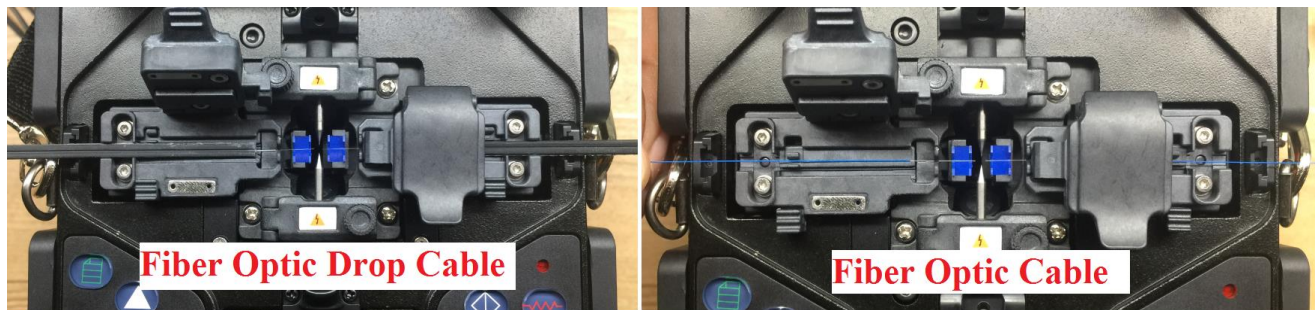
- 6000m altitude ensures Splice Quality
- SYSTEM TEST ensures the best working condition
- 4.3 inch high resolution color screen, anti-reflective
- Pause function, convenient for scientific research
- Store more 12.000 groups of splice results
- USB&DC interface
- More 450 Magnifications of X and Y
- Display fiber in each X, Y axis; or both X and Y at the same time
- Four motors Core-Alignment PAS technology
- Anti-shock, dust proof and waterproof.



## Specifications

Model	VT-42S
Dimension	122mm (L) *122mm (W) *130mm (H)
Weight	~1.98kg(Include battery)
Languages	English, Vietnamese,...
Number of Fiber	Single
Applicable Fibers	SM(ITU-T G.652&G.657) / MM(ITU-T G.651) / DS(ITU-T G.653) / NZDS(ITU-T G.655)
Compatible Fiber / Cable	SM, MM, DS, NZDS, G655, G657 and others
Cleaved Length	Diameter: 0.1~1 mm / Cleave Length: 5~16 mm
Cladding Diameter	80~150 $\mu$ m
Splicing Mode	100 splice modes
Heating Mode	10 heating modes

<b>Typical Splice Loss</b>	SM: 0.02dB / MM:0.01dB / DS:0.04dB / NZDS: 0.04dB / G.657: 0.02dB(ITU-T Standard)
<b>Return Loss</b>	≥60dB
<b>Splicing Time</b>	~7 sec
<b>Estimated Splice Loss</b>	Available
<b>Protection Sleeve Length</b>	20~60 mm
<b>Heating Time</b>	Typical heating time: ~13 sec
<b>Results Storage</b>	More 12.000 results
<b>Tension Test</b>	2.0N
<b>Operating Condition</b>	Operating Altitude: 0~6000m above sea level, 0~95% relative humidity, -10~60°C, Max Wind 15m/s
<b>Storage Condition</b>	0~95% relative humidity, -40~80°C
<b>Display</b>	4.3" Color High Resolution Display
<b>Fiber View &amp; Magnification</b>	X, Y, XY, X/Y : more 450 Magnification
<b>Power Supply</b>	6500mAh Internal Li-Battery , 15V DC adaptor, DC 10÷15 VDC
<b>No. of Splice / Heating with Battery</b>	Typical more 250 times (Splice+Heat)
<b>Operating Methods</b>	Button
<b>Calibration</b>	Arc calibration by doing ARC Test
<b>Electrode Life</b>	More 5500 arcs
<b>Terminal</b>	USB



## Weight and Dimensions



Height: 122 mm  
 Width: 122 mm  
 Depth: 130 mm  
 Weight: ~1.98 kg with battery





## Package

VT-42S Fusion Splicer	Item No: VT00001
VT-42SC High Precision Cleaver	Item No: VT00002
Fiber Stripper	Item No: VT00003
VT-42SA Charger Adapter	Item No: VT00004
Cooling Tray	Item No: VT00005
Tool Tray	Item No: VT00006
Cleaning V-Groove tool	Item No: VT00007
User Guide	Item No: VT00008
Cable stripping tool	Item No: VT00009
Carrying Case + Strap	Item No: VT000010



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