

# T45

V 2.0

## Core Alignment Fusion Splicer

Combining speed, precision, durability and portability



4.3 INCHES  
GUI



WATERPROOF  
DUSTPROOF  
SHOCKPROOF  
DROPPROOF



DURABLE &  
RUGGED



DETACHABLE COOLING  
TRUNK

### Main characteristics

- 4.3-inch high definition capacitive touch screen.
- 320 times image magnification, 5mm fusion splicing for fibers of ultra-short cutting length
- 300 groups of fusion splicing modes, 100 groups of heating modes
- USB2.0, SD card interfaces, U-disk automatic software upgrade
- built-in modular lithium battery, supports 330 times of splicing and heating.
- 7s Ultra fast fusion splicing, 18s highly efficient heating.
- Precise fiber core alignment, ultra-low fiber fusion splicing consumption
- 10000 groups of fusion records, 100 images storage
- The carrying case built-in worktable
- Dual-direction splicing, automatic splicing, intelligent pyrocondensation

### PRODUCT DISPLAY



FRONT



SIDE



TOP



WORKTABLE  
CARRYING CASE

## ► PRODUCT DETAILS

# T45

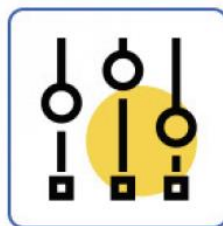
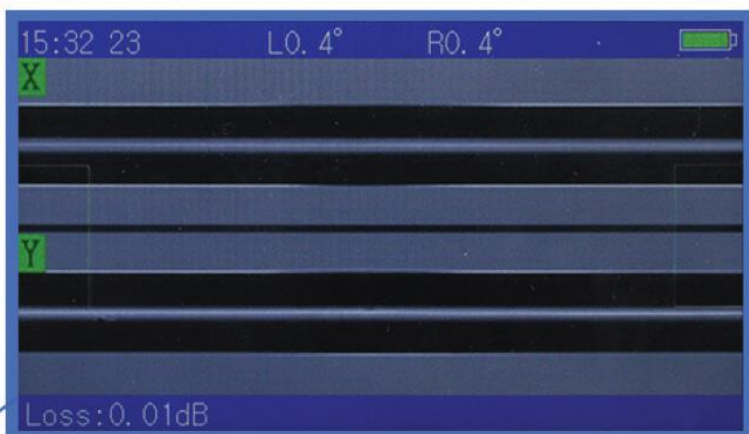


## ► THE BASIC PARAMETERS

Alignment method	Precise core alignment and cladding alignment
Applicable fibers	Any common optical fiber, rubber-insulated fibers and jumpers that meet requirements of ITU-TG.651, 652 653, ITU-TG.655 and ITU-TG.657 with auto detection.
Optical fiber diameter	Cladding: 80~150mm, coating layer: 0.1~3mm
Cuttling length	5-16mm (coated optical fiber diameter $\leq 250\mu\text{m}$ ); 10mm (coated optical fiber diameter: 0.25~3mm)
Fusion splicing consumption (typical value)	0.02dB (SMF); 0.01dB (MMF); 0.04dB (DSF); 0.04dB (NZDSF)
Return loss	Better than 60dB
Fusion splicing time (typical value)	7s
Total Melting time (typical value)	18s
Fiber Holder	Universal Clamps for 250 $\mu\text{m}$ , 900 $\mu\text{m}$ , 3.0 $\mu\text{m}$ , jump cable, FttH drop cable
Thermal shrinkage tube	60mm, 40mm and a series of thermal shrinkage tubes
Graphical display	High-performance 4.3 inch lcd
Magnification time	320 times/ 88 times
Fusion splicing record	10000 groups
Battery capacity	11.1V, 6800mAh, typical value offusion splicing and thermal cycle is 330 times
Battery service life	Cycle charging times reach 300-500, can be replaced by customers
Electrode service life	Typical value is 4000 times according to the trip time (programmable), easy to replace.
Construction lighting	Built-in lights with high-brightness and wide lighting area
Working environment	Temp:-10~50°C; Hum: 0~95% RH, height above sea level: 0~6000m
Language	English, Spanish, French, Portuguese, Thai language



Administration	Two password protected users levels
External power	AC power supply of 100 to 240 VAC, 50/60 Hz and DC of 12 VDC.
Other	Heating chamber.
Dimensions	W×H×D=120mm×130mm×154mm(without vibration-free rubber pad)
Weight	approx.1.95kg( with the lithium-ion battery), approx.1.75kg(without the lithium-ion battery).



Splicing time

**7S**



Heating time

**18S**

## ► PRODUCT FEATURES



**WATER PROOF**



**SHOCK PROOF**



**DUST PROOF**



**DROP PROOF**





330times



6800mAh



recycled

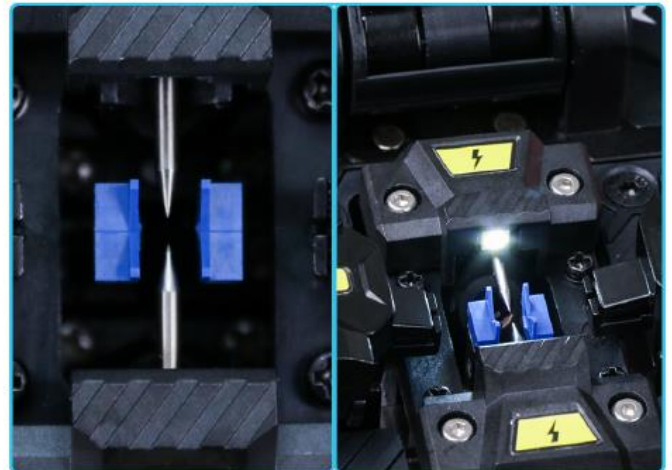


## ► DETAIL INTRODUCTION



### COMPATIBLE FIBER/CABLE

0.25mm/0.9mm/3.0mm/flat/drop  
cable



### ELECTRODE

4,000 times splicing without ex-  
change. Led lighting, easy to use in  
dim environment.





## SILICONE KEYPAD

the key is waterproof and dustproof.  
Comfortable hand feeling.



## TERMINAL

USB,SD,External Power.Silica gel pads are more effective in protecting machines.

## CONFIGURATION LIST



ORIENTEK OPTICAL TECHNOLOGY LIMITED  
23F BUILDING#3 HUAQIAO TECHNOLOGY PARK,GAOXIN DISTRICT NANJING,  
JS, 210001, P.R. CHINA  
TEL: +86-25-8687-0598 EMAIL : SALES@ORIENTEKOT.COM WEB:ORIENTEKOT.COM



Design is subject to change without any notice for the improvement purpose