

# Fiber Optic Fusion Splicer

This fiber optic fusion splicer is designed for precision splicing with a double core alignment structure for a higher success rate and lower loss. It features a 4.3 inch color LCD screen and rapid splicing and heating times.



## ADDITIONAL IMAGES



## Overview

### Compact High-Precision Fusion Splicer

The TE580 is a professional-grade, mini fiber optic fusion splicer designed for portability and high efficiency in field installations. Featuring advanced PAS fiber core alignment technology and a double-core align structure, it ensures low-loss connections and a high success rate for various fiber types. With a fast 7-second splicing time and an intuitive 4.3-inch TFT color display, this device significantly improves workflow efficiency for telecommunications and data center technicians.

## Performance Metrics

### Key Performance Indicators

**7 s**

Fast Splicing Time

**17 s**

Heating Time

**0.02 dB**

Typical Loss

**1.89 kg**

Weight

## Technical Specifications

Applicable Fiber Types	SM (Single mode), MM (Multi-mode), DS (Dispersion shift), NZDS (Non zero dispersion shift)
Applicable Fiber Count	Single
Display Screen	4.3 inches 16:9 TFT colorized LCD
Alignment Technology	PAS (Lateral Projection System) with CMOS image sensor

## Features

### Key Capabilities

- Double core align structure
- Automatic arc calibration via environmental sensors (pressure, temperature, humidity)
- Low power consumption design for extended operation
- Ruggedized design (shockproof, dustproof)
- Portable, small-sized construction

## Power & Environment

### Power Adapter Specs

Parameter	Specification
Input	100-240V, 50/60Hz
Output	13.5V, 5A