



# Multi-function Fusion Splicer

## SPTK-4900X



### Overview

SPTK-4900X implements industrial-grade structure of high performance, installed 6 imported motors to accurate core to core alignment, which can identify fiber types automatically. Small in size and light in weight.

### Features

- Real 6 motors accurate core to core alignment
- Identify fiber types(SM/MM) automatically
- 6 seconds splicing & 18 seconds heating
- Automatic & real-time ARC calibration
- Industrial quad-core CPU with 30% power saving
- 5" high resolution display, touch screen and button dual operation
- Anti-shock, anti-vibration, dust-proof & water-resistant, IP52 certified
- Universal fiber holder, apply to 250 $\mu$ m/0.9mm/2.0mm/3.0mm fibers

### Specification

| Model             | SPTK-4900X                         |
|-------------------|------------------------------------|
| Alignment Method  | 6 motors core to core alignment    |
| Applicable Fiber  | G651/G652/G653/G654/G655/G657 etc. |
| Cladding Diameter | 80~150 $\mu$ m                     |
| Coating Diameter  | 160~3000 $\mu$ m                   |

|                     |                                                                                    |
|---------------------|------------------------------------------------------------------------------------|
| Cleaved Length      | 10~16mm ( coating diameter<250μm), 16mm (coating diameter:250~1000μm)              |
| Typical Splice Loss | G651: 0.01dB; G652: 0.02dB; G653: 0.04dB; G654: 0.04dB; G655: 0.04dB; G657: 0.02dB |
| Return Loss         | > 60dB                                                                             |
| Splicing Program    | 100 modes                                                                          |
| Operation Mode      | Manual/ Auto                                                                       |
| Auto-Heating        | 40 modes, auto-heating supported                                                   |
| Splicing Time       | 6~12 seconds; fast splicing time 6 seconds                                         |
| Heating Time        | 18~26 seconds for 40mm and 60mm shrinkable sleeves                                 |
| Fiber Magnification | 400X(X or Y view), 200X(X and Y view)                                              |
| Viewing display     | Dual high sensitivity camera, 5"HD color LCD touch screen                          |
| Data Storage        | 50000 groups data records,100 groups images                                        |
| Loss Evaluation     | Available                                                                          |
| Tension Test        | 1.8 ~ 2.2N                                                                         |
| Interface           | GUI menu interface, easy for operation                                             |
| Battery Capacity    | Detachable 5200mAh Li-battery , typical 300 cycles splicing and heating            |
| Power Supply        | Adapter, input: AC100~240V(50/60Hz), output: DC11~13.5V                            |
| Electrode Life      | 5000 ARC discharges, easy to replace                                               |
| Terminal            | USB 2.0 port, for software upgrading and records exporting                         |
| Operating Condition | Altitude: 0~5000m; Humidity: 0~95%; Temperature: -10°C~+50°C; Max wind: 15m/s      |
| Dimension/Weight    | 155mm(L)×144mm(W)×155mm(H)(including rubber bumper)/2.37kg(with battery)           |



**Precise structural design Core to core alignment**



**Inductive automatic heater Fast heating**



**Anti-shock, dust-proof and water-proof, 5"touch LCD**



**Clear fiber image and fast fiber gapping**



**Identify fiber types automatically**



**Stable splicing and low splicing loss**



## Packing Details



Fusion splicer



Fiber cleaver



Fiber stripper



Cooling tray



Spare electrodes



Drop cable stripper



Carrying box



Power adapter



Power plug



User manual



Strap



Brush

## Ordering information

| Part Number | Product Description                    |
|-------------|----------------------------------------|
| SPTK-4900X  | Multi-function Fusion splicer 6 motors |

Note: If you need more customized services, please contact us.

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