The World's Fastest and Easiest Core-Aligning Fusion Splicer, Stable, Reliable, Affordable

Fusion Splicer TCW-605S



The **TCW-605S Series** adopt high-speed image processing technology and special precision- positioning technology, automatically finish the whole process of fiber fusion in 8 seconds typically, TFT LCD monitor displays all steps of fiber fusion clear at a glance.

Widely used for SM and MM Quartz Fiber with diameter $80-150\mu m$, coating layer diameter 0.1-1.0mm and bare fiber length 16mm more or less.

Ideal tools for construction and maintenance of fiber and cable in both field and laboratory applications.

Support Chinese, Japanese, Germany, Spanish, Russian, Korea, Portuguese, French, Italian, Turkish, English etc.

Features

- Anyone anytime anywhere can use easily
- Not only a Fusion Splicer, but also your partner who make your job easy and happy
- The rugged construction plus improved reliability by resisting shock, dust, and rain
- 5.6 inch TFT color LCD monitor with anti-reflective coating
- The advanced core to core fiber profile alignment system(PAS)
- ARC Calibration FREE system

ARC Calibration sub-menu included in the Menu too, can do the ARC Calibration by Manual when necessary

- X/Y axes was displayed or both X and Y were displayed simultaneously, Magnification up to 300 times
- 8 seconds splicing time, 28 seconds Heat-Shrinking
- Battery capacity was display in real time, precisely
- Built-in high capacity battery, support 220 cycles(splicing /tube heating), to meet one days' work
- Long Electrode Lifetime, up to 4000 times
- The new wind-cover design, enhance the ability to prevent the dust & wind, Max. wind velocity of 15m/s
- Two Splicing modes: auto, manual
- Built-in super high-brightness LED supply convenience for night work
- Auto calculate splicing loss based dual camera cladding axis alignment data
- Small bulk and light weight, only 2.8kg include battery
- 4000 results Storage
- 2.0 USB data interface &VGA
- Carrying Case can act as work table to splice the fiber
- One button operation to finish results download or software update
- Close shield splice automatically, Close heater lid heat automatically
- One year warranty(TWO years or THREE years warranty is available for special order)

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Technical Specifications

Fiber Types Single mode (ITU-T G.652), multimode (ITU-T G.651), dispersion shifted (ITU-T G.653), non-zero dispersion shifted (ITU-T G.653) and other SMF including ITU-T G657 fibers Average Splicing Loss 0.02dB with G.652 and G.657, 0.01dB with G.651 and 0.04dB with G.653 and G.655 Splicing Time Typical splicing time:28 Return Loss 0.02dB (ITU-T G.652), multimode (ITU-T G.651), dispersion shifted (ITU-T G.651), dispersind (ITU-T G.651), dispersion shifted (ITU-T G.651), dispersion s	Optical Specifications	TCW-605S						
fibersAverage Splicing Loss0.02dB with G.652 and G.657, 0.01dB with G.651 and 0.04dB with G.653 and G.655Splicing TimeTypical splicing time:8sHeating TimeTypical heating time:28sReturn Loss60dB or greaterFiber Coating100µm to 1000µmFiber Cladding8~16mm(coating diameter<250µm), 16mm (coating diameter 250~1000µm)	Fiber Types	Single mode (ITU-T G.652), multimode (ITU-T G.651), dispersion shifted (ITU-T						
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Fiber Cladding 80μm to 150μm Fiber Cleave Length 8~16mm(coating diameter<250µm), 16mm (coating diameter 250~1000µm)	Return Loss	60dB or greater						
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Package G.W/N.W 10.0/9.0kg	Instrument Weight	2.3kg (no battery) with AC/DC adapter, 2.8kg(including battery),						
	Dimensions(L x W x H)	160mm×150mm×145mm						
Package (L x W x H) 620mm×420mm×360mm	Package G.W/N.W	10.0/9.0kg						
	Package (L x W x H)	620mm×420mm×360mm						

Note: Specifications subject to change without notice.





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STANDARD PACKAGE:

ARC Fusion Splicer, Carrying Case, High Precision Fiber Cleaver, Tri-hole Fiber Coat Stripper, AC Adapter/Battery Charger, Battery Charger Cord, Battery Pack, Spare Electrodes(one pair), Blower Brush, V-groove Cleaning, Quick Reference Guide, Video Instruction Manual, Cooling Tray, Alcohol Dispenser, Monitor Coating, Monitor Cover, USB Flash Disk.

Description	Model	Qty	Photo	Description	Model	Qty	Photo
ARC Fusion Splicer	TCW-605S	1pc		Carrying Case (Yellow Color)	CCA-605S	1pc	
High Precision Fiber Cleaver with Trash Bin	FC-305	1pc		Tri-hole Fiber Coat Stripper	TFS-03	1pc	
AC Adapter/ Battery Charger	ADC-13S	1pc		Battery Charger Cord	BCC-14	1pc	
Battery Pack	BTR-08S	1pc	 In the second sec	Spare Electrodes	ELC-02S	1pair	
Blower Brush	BBR-09	1pc		V-groove Cleaning	VGC-06	1pc	
Quick Reference Guide	USM-605S	1pc		Video Instruction Manual	VOM-605S	1pc	
Cooling Tray,	CLT-05	1pc		Alcohol Dispenser	ALD-04	1pc	
Monitor Coating	MCT-11	1pc	C hand	Monitor Cover	MCV-12S	1pc	
USB Flash Disk	USB-01	1pc			·	•	

OPTIONAL ITEMS

Description	Model	Photo	Description	Model	Photo
Cigar-Socket Cord	CSC-15		Protection Sleeve	PTS-16	
Blade of Cleaver	BOC-18				