

# Mini 100CA+ 4-in-One Fusion Splicer

## Features & Benefits:

- SOC compatible
- Portable Design
- Long Battery Life
- Low Insertion Loss
- High Splice Accuracy
- Heating time - 10 sec
- Mini 60A Cleaver included
- Extremely Easy to Operate
- Auto Core-to-Core Alignment
- Full touch screen - tempered glass
- Advanced Fusion Splicing Technology
- Automatic Wind Protector and Heater
- Anti-shock, dust proof and waterproof
- User-Friendly Interface with a Large LCD Display
- Designed to withstand challenging environments
- Features a high-resolution display for clear visibility
- Core Alignment DCID (Digitalised Core Image Detecting System)
- One battery is included in the standard package - 200 cycles (splicing, heating and auto stripping)



## Applications:

- Repair's fibre optic connections
- The Mini 100CA+ ensures efficient and low-loss connections between optical fibre's
- Fusion splicers are commonly used in the installation and maintenance of telecommunications networks
- Two optical fibres are melted together at their ends by the Mini 100CA+ Splicer using an electric arc to create a single long fibre.

## The Kit Includes:

- |                       |                  |                      |
|-----------------------|------------------|----------------------|
| • MINI 100CA+ Splicer | • 1 Battery Pack | • Car Cigar Cable    |
| • MINI 60A Cleaver    | • Shoulder Strap | • SOC Heater Block   |
| • Cleaver Soft case   | • Power Cord     | • SOC Holder         |
| • Cooling Tray        | • AC Adapter     | • User Manual CD     |
| • Spare Electrode     | • USB Cable      | • Hand Carrying Case |

The Mini 100CA+ 4-in-One Splicer strips, cleaves and splices - all in one machine! An core alignment splicer, one-click cleaver and auto-stripper all in one.

## Specifications:

Product Specifications		Splicing
Method	Core Alignment (DCID: Digitalized Core Image Detecting system)	
Average Loss	IL : SM(0.02dB) / MM(0.01dB) / DS(0.04dB) / NZDS(0.04dB) / G.657(0.02dB)	
Return Loss	>60dB	
Time	SM Mode : 10 Sec. / Quick mode : 6 Sec.	
Mode	32 modes (Pre-set: 5 / User set-up: 27)	
Attenuation	Available rage : 0.1 - 20dB	

Product Specs	Heating
Mode	32 modes (pre-set 5/user set-up 27)
Time	Average 10s
Protection Sleeve	20-60mm

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## Specifications:

Product Specs	Applicable Fibre Cable
	SM(ITU-T G.652&T G.657)
	MM(ITU-T G.651)
Fibre Type	DS(ITU-T G.653)
	NZDS(ITU-T G.655)
Cleaved Length	Coating Diameter < 0.25mm = 5-16mm & Coating Diameter > 0.25mm = 8-16mm
Coating Diameter	100-3000 um
Cladding Diameter	80-150 um

Product Specs	Stripper
Type	Full Automatic built-in modular, (ATS: Automatic Thermal Stripper)
Applicable Cable	250Um ~ 900Um

Product Specs	Hardware
Connection	Bluetooth Low Energy (BLE)
Data Output	USB C-type
Electrode Life Span	>5,500 arcs
Data Storage	10,000 splicer record/2000 splice image
Battery	Li-ion 11.1V 3500mAh, 200 cycles (Splicing & Heating), 130 cycles (Splicing & Heating & Auto stripping)
Power Supply	AC 100-240V input or DC 12.6V-1.8A
Monitor	Colour 4.3" LCD monitor, with Touch Screen (Tempered Glass)
Cameras	Dual CCD camera with LED emitting system
Illumination	LED Spot Light
Fibre Display	X/Y (single image) 260x, X&Y (dual image) 130x
Weight	1.3kg (with battery : 1.6kg) : Without cleaver, 1.6kg (with battery : 1.8kg): With cleaver
Size	203 x 131 x 78mm (L x W x H): without cleaver, 203 x 215 x 78mm (L x W x H) : with cleaver

Product Specs	Reliability
Wind Protection	Wind speed: 15m/s (max)
	Altitude: 0-5,000m
Operating Environment	Temperature: -10-50°C
	Humidity: 0-95%RH
	Temperature: -20 to 60°C
Storage Condition	Humidity: 0-95%RH
	Battery -20~40°C
Pull Test	1.96-2.25N (standard)

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