

## Datasheet





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# Core Alignment Fusion Splicer 905

Designed to keep you going





## **True Core Alignment**

## 1. Core Alignment Technology

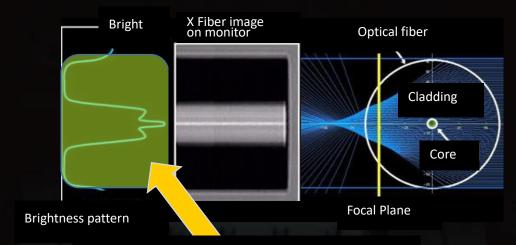
The 90S fusion splicer has high precision lenses which provide accurate core to core alignment regardless of core-cladding concentricity error. Also, the lenses allow the splicer to discriminate between fiber types.





## 2. Advanced Image Processing Technology

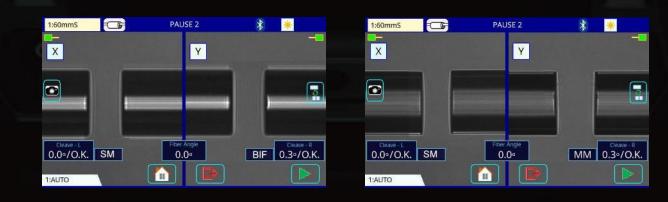
The 90S possesses advanced image processing technology which analyzes the profile of the fiber image as a brightness pattern. The 90S finds the true core position and achieves the consistent lower splice loss.



**Analyzing the Brightness pattern** 

#### 3. Fiber Discrimination Function

The 90S fusion splicer automatically identifies the optimum arc discharge parameters in accordance with the fiber type.



## **Faster Automation**

The faster automated features of the 90S fusion splicer reduce installation times. With this splicer, an operator can complete the entire splicing process from splicing to heating without touching the 90S and only moving the fiber.





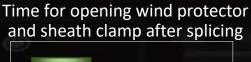


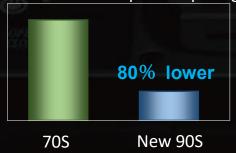


The fiber retention clamps support the automated operations. When the sheath clamps open automatically after splicing, the fiber retention clamps gently hold the spliced fiber to keep it from flying out. The retention clamps release when the fiber is lifted by the operator.

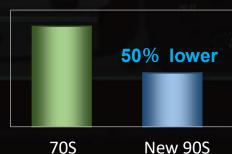
**Fiber retention clamp** 







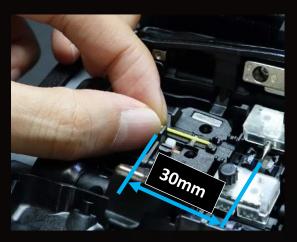
Time for placing fiber into heater

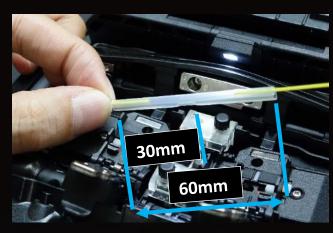


## **User Friendly**

## 1. Easy Fiber Protection Sleeve Positioning

The shape of the sheath clamp is optimized for the 60mm length protection sleeve. The length from splice point to the edge of the sheath clamp is 30mm. Therefore, it is easy to center the protection sleeve over the splice by using your finger as the reference splice point.





#### 2. Carrying Case

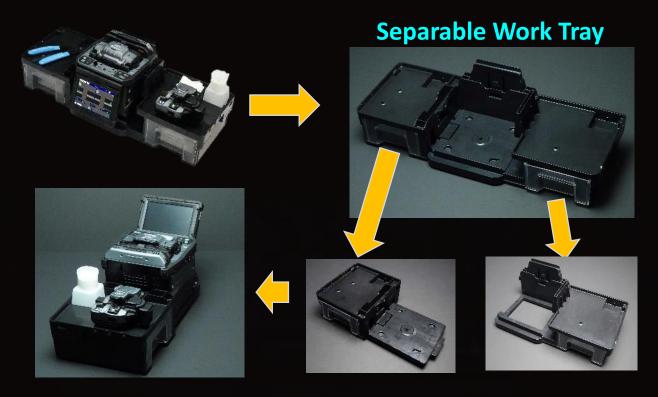
There are multiple ways to utilize the 90S carrying case. The 90S is ready to use just by opening the case, but it is also possible to use the 90S on top of the carrying case or only with the work tray depending on the work environment.



## **User Friendly**

## 3. Work Tray

The newly designed work tray has many functions. There are two drawers for storage, and the drawers are large enough to store tools or battery packs. Also, the work tray can be divided in two, so it is configurable to fit your work space.



## Plenty of space in carrying case



**Cleaver & Stripper** 



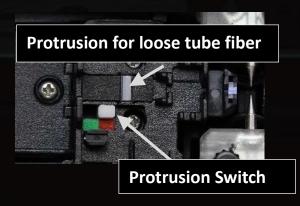
**Battery packs** 



Large storage space under work tray

## 4. Loose Tube Compatibility

The sheath clamp of the 90S fusion splicer is compatible with loose tube fiber. The Protrusion part on of the sheath clamp for loose tube fiber engages or retracts by simply changing the switch position with your finger.



## **Active Blade Management Technology**

#### 1. Automatic Blade Rotation

The 90S fusion splicer and CT50 fiber cleaver are enabled with wireless data connectivity. This capability allows automatic cleaver blade rotation when the splicer judges the blade is worn. Also, the 90S fusion splicer can connect to two CT50s simultaneously.



## 2. Blade Life Management

2:SM AUTO

The 90S fusion splicer displays the remaining blade life and informs the user when a blade height change, position change, or new blade is required.

2:SM AUTO

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## **Standard Package**

## 90S Standard Package



Description	Model No.	Qty
Core Alignment Fusion Splicer	90S	1pc
(1) Battery Pack*	BTR-15	1pc
(2) AC Adapter	ADC-20	1pc
(3) AC Power Cord	ACC-14, 15, 16 or 17	1pc
(4) USB Cable	USB-01	1pc
(5) Fusion Splicer Strap	ST-02	1pc
(6) Electrodes (spare)	ELCT2-16B	1pair
(7) Fiber Holder Set Plate	SP-03	1pair
(8) Carrying Case	CC-39	1pc
(9) Work Tray Left	WT-09L	1pc
(10) Work Tray Right	WT-09R	1pc
(11) Work Tray J-Plate	JP-09	1pc
(12) Tripod Screw	TS-03	2pcs
(13) Carrying Case Strap	ST-03	1pc
(14) Alcohol Dispenser	AP-02	1pc
(15) Quick Reference Guide	QRG-02-E, C or J	1pc
Single Fiber Stripper	SS03 or SS01	1pc
Optical Fiber Cleaver	CT50	1pc
(1) Fiber Scrap Collector	FDB-05	1pc
(2) Fiber Setting Plate	AD-10-M24	1pc
(3) Case (for Cleaver)	CC-37	1pc
(4) Hexagonal Wrench	HEX-01	1pc

\* Please follow IATA regulation when shipping the battery by air.



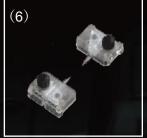






































## **Specifications**

## **90S Specifications**



Item		Specification
Fiber alignment method		Active core alignment
Fiber count can be spliced		Single fiber
File A		Single mode optical fiber
Applicable fiber	21	Multi mode optical fiber
	Cladding dia.	80 to 150µm
Applicable coating	Sheath clamp	Coating dia. : Max. 3,000µm
Applicable coaling	Officatif claffip	Cleave length : 5 to 16mm *1
		ITU-T G.652 : Avg. 0.02dB
		ITU-T G.651 : Avg. 0.01dB
Fiber splice	Splice loss *2	ITU-T G.653 : Avg. 0.04dB
performance		ITU-T G.655 : Avg. 0.04dB
		ITU-T G.657 : Avg. 0.02dB
	Splice time *3	SM FAST mode : Avg. 7 to 9sec.
	opiloo tiillo o	AUTO mode : Avg. 14 to 16sec.
Applicable	Sleeve type	Heat shrinkable sleeve
protection	Sleeve length	Max. 66mm
sleeve	Sleeve dia.	Max. 6.0mm before shrinking
Sleeve heat	Heat time *4	60mm slim mode : Avg. 9 to 10sec.
performance	riodi timo	60mm mode : Avg. 13 to 15sec.
Fiber tensile test force		Approx. 2.0N
Electrode life *5		Approx. 5,000 splices
	Dimensions W	Approx.170mm without projection
Physical	Dimensions D	Approx.173mm without projection
description	Dimensions H	Approx.150mm without projection
	Weight	Approx. 2.8kg including battery
	Temperature	Operate : -10 to 50 degreeC
		Storage : -40 to 80 degreeC
Environmental	Humidity	Operate : 0 to 95%RH non-condensing
condition	, and the second second	Storage : 0 to 95%RH non-condensing
	Altitude	Max. 5,000m
AC adaptor	Input	AC100 to 240V, 50/60Hz, Max. 1.5A
	Туре	Rechargeable Lithium Ion
	0 1 1	5044 0440 000 14
Detterment	Output	Approx. DC14.4V / 6,380mAh
Battery pack	Output Capacity *6	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles
Battery pack		Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge: 0 to 30 degreeC
Battery pack	Capacity *6 Temperature	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge : 0 to 30 degreeC Storage : -20 to 30 degreeC
	Capacity *6 Temperature Battery life *7	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge : 0 to 30 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles
Battery pack  Display	Capacity *6 Temperature Battery life *7 LCD monitor	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge : 0 to 30 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen
Display	Capacity *6 Temperature Battery life *7 LCD monitor Magnification	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge : 0 to 30 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen 200 to 320x
	Capacity *6 Temperature Battery life *7 LCD monitor Magnification V-grooves	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge : 0 to 30 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen 200 to 320x LED lamp
Display	Capacity *6 Temperature Battery life *7 LCD monitor Magnification V-grooves PC	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge: 0 to 30 degreeC Storage: -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen 200 to 320x LED lamp USB2.0 Mini B type
Display Illumination	Capacity *6 Temperature Battery life *7 LCD monitor Magnification V-grooves PC External	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge : 0 to 30 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen 200 to 320x LED lamp USB2.0 Mini B type USB2.0 A type
Display	Capacity *6 Temperature Battery life *7 LCD monitor Magnification V-grooves PC External LED lamp	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge : 0 to 30 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen 200 to 320x LED lamp USB2.0 Mini B type USB2.0 A type Approx. DC5V, 500mA
Display Illumination	Capacity *6 Temperature Battery life *7 LCD monitor Magnification V-grooves PC External	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge : 0 to 30 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen 200 to 320x LED lamp USB2.0 Mini B type USB2.0 A type Approx. DC5V, 500mA Mini DIN 6pin
Display Illumination	Capacity *6 Temperature Battery life *7 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper	Approx. DC14.4V / 6,380mAh  Approx. 300 splice and heat cycles  Recharge : 0 to 30 degreeC  Storage : -20 to 30 degreeC  Approx. 500 recharge cycles  TFT 5 inches with touch screen  200 to 320x  LED lamp  USB2.0 Mini B type  USB2.0 A type  Approx. DC5V, 500mA  Mini DIN 6pin  DC12V, Max. 1A
Display Illumination	Capacity *6 Temperature Battery life *7 LCD monitor Magnification V-grooves PC External LED lamp	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge : 0 to 30 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen 200 to 320x LED lamp USB2.0 Mini B type USB2.0 A type Approx. DC5V, 500mA Mini DIN 6pin
Display Illumination Interface	Capacity *6 Temperature Battery life *7 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *8 Splice mode	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge: 0 to 30 degreeC Storage: -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen 200 to 320x LED lamp USB2.0 Mini B type USB2.0 A type Approx. DC5V, 500mA Mini DIN 6pin DC12V, Max. 1A Bluetooth 4.1 LE 100 splice modes
Display Illumination	Capacity *6 Temperature Battery life *7 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *8 Splice mode Heat mode	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge: 0 to 30 degreeC Storage: -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen 200 to 320x LED lamp USB2.0 Mini B type USB2.0 A type Approx. DC5V, 500mA Mini DIN 6pin DC12V, Max. 1A Bluetooth 4.1 LE
Display Illumination Interface	Capacity *6 Temperature Battery life *7 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *8 Splice mode Heat mode Splice result	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge : 0 to 30 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen 200 to 320x LED lamp USB2.0 Mini B type USB2.0 Mini B type USB2.0 A type Approx. DC5V, 500mA Mini DIN 6pin DC12V, Max. 1A Bluetooth 4.1 LE 100 splice modes 30 heat modes
Display Illumination Interface	Capacity *6 Temperature Battery life *7 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *8 Splice mode Heat mode	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge : 0 to 30 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen 200 to 320x LED lamp USB2.0 Mini B type USB2.0 Mini B type USB2.0 A type Approx. DC5V, 500mA Mini DIN 6pin DC12V, Max. 1A Bluetooth 4.1 LE 100 splice modes 30 heat modes 20,000 splices
Display Illumination Interface Data storage	Capacity *6 Temperature Battery life *7 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *8 Splice mode Heat mode Splice result	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge: 0 to 30 degreeC Storage: -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen 200 to 320x LED lamp USB2.0 Mini B type USB2.0 A type Approx. DC5V, 500mA Mini DIN 6pin DC12V, Max. 1A Bluetoth 4.1 LE 100 splice modes 30 heat modes 20,000 splices 100 images 1/4-20UNC
Display Illumination Interface Data storage	Capacity *6 Temperature Battery life *7 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *8 Splice mode Heat mode Splice result	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge: 0 to 30 degreeC Storage: -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen 200 to 320x LED lamp USB2.0 Mini B type USB2.0 A type Approx. DC5V, 500mA Mini DIN 6pin DC12V, Max. 1A Bluetooth 4.1 LE 100 splice modes 30 heat modes 20,000 splices 100 images 1/4-20UNC Splice mode select by fiber type analysis
Display Illumination Interface Data storage	Capacity *6 Temperature Battery life *7 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *8 Splice mode Heat mode Splice result	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge: 0 to 30 degreeC Storage: -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen 200 to 320x LED lamp USB2.0 Mini B type USB2.0 A type Approx. DC5V, 500mA Mini DIN 6pin DC12V, Max. 1A Bluetooth 4.1 LE 100 splice modes 30 heat modes 20,000 splices 100 images 1/4-20UNC Splice mode select
Display Illumination Interface  Data storage  Screw hole for tripod	Capacity *6 Temperature Battery life *7 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *8 Splice mode Heat mode Splice result Splice image Automatic	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge : 0 to 30 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen 200 to 320x LED lamp USB2.0 Mini B type USB2.0 A type Approx. DC5V, 500mA Mini DIN 6pin DC12V, Max. 1A Bluetooth 4.1 LE 100 splice modes 30 heat modes 20,000 splices 100 images 1/4-20UNC Splice mode select by fiber type analysis Discharge power calibration Wind protector : open/close
Display Illumination Interface  Data storage  Screw hole for tripod  Other	Capacity *6 Temperature Battery life *7 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *8 Splice mode Heat mode Splice result Splice image	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge: 0 to 30 degreeC Storage: -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen 200 to 320x LED lamp USB2.0 Mini B type USB2.0 A type Approx. DC5V, 500mA Mini DIN 6pin DC12V, Max. 1A Bluetooth 4.1 LE 100 splice modes 30 heat modes 20,000 splices 100 images 1/4-20UNC Splice mode select by fiber type analysis Discharge power calibration Wind protector: open/close Sheath clamp: open
Display Illumination Interface  Data storage  Screw hole for tripod	Capacity *6 Temperature Battery life *7 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *8 Splice mode Heat mode Splice result Splice image Automatic	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge: 0 to 30 degreeC Storage: -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen 200 to 320x LED lamp USB2.0 Mini B type USB2.0 A type Approx. DC5V, 500mA Mini DIN 6pin DC12V, Max. 1A Bluetooth 4.1 LE 100 splice modes 30 heat modes 20,000 splices 100 images 1/4-20UNC Splice mode select by fiber type analysis Discharge power calibration Wind protector: open/close Sheath clamp: open Heater lid: open/close
Display Illumination Interface  Data storage  Screw hole for tripod  Other	Capacity *6 Temperature Battery life *7 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *8 Splice mode Heat mode Splice result Splice image	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge: 0 to 30 degreeC Storage: -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen 200 to 320x LED lamp USB2.0 Mini B type USB2.0 A type Approx. DC5V, 500mA Mini DIN 6pin DC12V, Max. 1A Bluetooth 4.1 LE 100 splice modes 30 heat modes 20,000 splices 100 images 1/4-20UNC Splice mode select by fiber type analysis Discharge power calibration Wind protector: open/close Sheath clamp: open Heater lid: open/close Heater clamp: open/close
Display Illumination Interface  Data storage  Screw hole for tripod  Other	Capacity *6 Temperature Battery life *7 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *8 Splice mode Heat mode Splice result Splice image  Automatic functions  Reference guide	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge : 0 to 30 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen 200 to 320x LED lamp USB2.0 Mini B type USB2.0 Mini B type USB2.0 A type Approx. DC5V, 500mA Mini DIN 6pin DC12V, Max. 1A Bluetooth 4.1 LE 100 splice modes 30 heat modes 20,000 splices 100 images 1/4-20UNC Splice mode select by fiber type analysis Discharge power calibration Wind protector : open/close Sheath clamp : open Heater lid : open/close Video and PDF file stored in splicer
Display Illumination Interface  Data storage  Screw hole for tripod  Other	Capacity *6 Temperature Battery life *7 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *8 Splice mode Heat mode Splice result Splice image	Approx. DC14.4V / 6,380mAh Approx. 300 splice and heat cycles Recharge: 0 to 30 degreeC Storage: -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen 200 to 320x LED lamp USB2.0 Mini B type USB2.0 A type Approx. DC5V, 500mA Mini DIN 6pin DC12V, Max. 1A Bluetooth 4.1 LE 100 splice modes 30 heat modes 20,000 splices 100 images 1/4-20UNC Splice mode select by fiber type analysis Discharge power calibration Wind protector: open/close Sheath clamp: open Heater lid: open/close Heater clamp: open/close

#### **90S Options**

Item	Model	Remark
Battery pack*9	BTR-15	Battery pack for replacement
Electrodes	ELCT2-16B	Electrodes for replacement
	FH-70-250	250µm coating diameter
Fiber holder	FH-70-900	900µm coating diameter
	FH-FC-20	900µm in 2mm diameter cable
	FH-FC-30	900µm in 3mm diameter cable
DC Adapter	DCA-03	Connect AC adapter not through battery
	DCC-20	Car cigar socket to BTR-15/DCA-03
DC power cord	DCC-21	Car battery to BTR-15/DCA-03
Transfer Clamp	CLAMP-DC-12	Transferring drop cable on work tray
J-Plate	JP-10	Attaching to splicer, not to work tray
	JP-10-FC	JP-10 with fiber clamps
	FP-03	60mm Max. 900µm coating diameter
Protection sleeve	FP-03(L=40)	40mm Max. 900µm coating diameter
	FP-03M	FP-03 with non-magnetic material

#### Notes

\*1: Cleave length range depending on fiber type

5 to 16mm : 125μm cladding dia. / 250μm coating dia.

10 to 16mm : 125 $\mu$ m cladding dia. / 400 or 900 $\mu$ m coating dia.

5 to 10mm: 80μm cladding dia. / 160μm coating dia.

- \*2: Measured with a cut-back method relevant to ITU-T and IEC standard after splicing Fujikura identical fibers. The average splice loss changes depending on the environmental condition and fiber characteristics.
- \*3: Measured at room temperature. The definition of splice time is from the fiber image appeared in LCD monitor to the estimated loss displayed. The average splice time changes depending on the environmental conditions, fiber type, and fiber characteristics.
- \*4: Measured at room temperature with the AC adapter. The heat time is defined from the start beep sound to the finish beep sound. The average heat time changes depending on the environmental conditions, sleeve type and battery pack condition.
- \*5: The electrode life changes depending on the environmental conditions, fiber type and splice modes.
- \*6: Test condition
  - (1) Splice and heat time: 2 minutes cycle
  - (2) Using the splicer power save settings
  - (3) Using a not degraded battery
  - (4) At room temperature

The battery capacity changes when testing with different conditions from the above.

- \*7: The battery capacity decreases to a half after approx. 500 discharge and recharge cycles, The battery life is shortened further when using outside of the storage temperature range, operating temperature range, if completely discharged by storing for a long time without recharging.
- \*8: Bluetooth® mark and logos are the registered trademarks of Bluetooth
- \*9: Please follow IATA regulation when shipping the battery by air.

## **Specifications**

## SS01/03 Specifications



Item	SS01	SS03
Stripping coating dia.	250um	250um
Fiber dia. after stripping	125um cladding	125um cladding
Stripping coating dia.	None	900um
Fiber dia. after stripping	None	250um coating
<ol><li>Stripping coating dia.</li></ol>	None	2000 to 3000um
Fiber dia. after stripping	None	900um coating
Dimension	Approx. 164 x 45 x 5mm	
Weight	Approx 100a	

## Fiber Protection Sleeve Specifications



ltem	FP-03/FPS series	FP-04/05 series	
Outer tube material	Polyethylene		
Inner tube material	Ethylene-Vinyl Acetate		
Strength member	Stainless	Quartz glass	
I I and a beginning a second in a	Temperature: -10 to 50 degreeC		
Heat shrink operation	Humidity: 0 to 95% non-condensing		
01	Temperature: -40 to 60 degreeC		
Storage	Humidity: 0 to 95% non-condensing		

## **CT50 Specifications**



Item		Specifications	
Applicable fiber	Tiber tome	Single mode optical fiber	
	Fiber type	Multi mode optical fiber	
	Fiber count	Up to 16 fiber ribbon	
	Cladding dia.	Approx. 125um	
Applicable coating	Fiber plate	AD-10-M24 : Max. 900µm coating diameter	
	·	AD-50 : Max. 3mm coating diameter	
5549	Fiber holder	Coating shape. : Refer to splicer options	
		AD-10-M24 : 5 to 20mm *1	
		AD-50 [CD : coating diameter]	
	Fiber plate	CD= 250µm or less : 5 to 20mm *1	
Cleave length		250μm < CD < 1000μm : 10 to 20mm	
		1000μm < CD < 3mm : 14 to 20mm	
	Fiber holder	Approx. 10mm	
Cleave angle *2	Single fiber	Avg. 0.3 to 0.9 degrees	
Olcave aligic 2	Fiber ribbon	Avg. 0.3 to 1.2 degrees	
Blade life *3		Approx. 60,000 fiber cleaves	
	Dimensions W	Approx. 120mm when closing the lever	
Physical	Dimensions D	Approx. 95mm when closing the lever	
description	Dimensions H	Approx. 58mm when closing the lever	
assonp	Weight	Approx. 305g	
		including battery and AD-10-M24	
	Temperature	Operate : -10 to 50 degreeC	
Environmental		Storage: -40 to 80 degreeC	
condition	Humidity	Operate : 0 to 95% non-condensing	
		Storage : 0 to 95% non-condensing	
Battery		2 pieces of LR03/AAA dry battery	
Wireless interface *4		Bluetooth 4.1 LE	
Screw hole for tripod		1/4-20UNC	
Other features	Blade rotation	Motorized rotation	
		Manual rotation dial	
	Replaceable	Blade	
	parts	Clamp arm	

## **CT50 Options**

Item	Model Name	Remark
Blade	CB-08	Blade for replacement
Clamp Arm	ARM-CT50-01	Clamp arm with anvil for replacement
Fiber Scrap Collector	FDB-05	Spare scrap collector
Side cover	SC-CT50-01	Side cover instead of scrap collector

#### Notes

- \*1: When the cleave length is from 5 to 10mm, the coating diameter should be 250µm or less. Also, a blade height adjustment is required before cleaving. The average cleave angle is worse than the specification when the cleave length is 5 to 10mm.
- \*2: Measured with an interferometer at room temperature, not with a splicer. A new blade was used to cleave both the single fibers and 12 fiber ribbons. The cleave length is set from 10 to 16mm. The average cleave angle changes depending on the environmental conditions, blade condition, operating method, and cleanliness.
- \*3: The blade life changes depending on the environmental conditions, operating method, and the fiber type cleaved.
- \*4: Bluetooth® word mark and logos are the registered trademarks of Bluetooth SIG, Inc.





Please visit our web site!

https://www.fusionsplicer.fujikura.com

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## **LOCATIONS**

#### LONDON, HEATHROW

Sunbelt Rentals UK Test & Monitoring

242-252 London Road, Staines, London TW18 4JQ 0333 122 3126

www.sunbeltrentals.co.uk/find-a-depot/london-heathrow

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