

Mass Fusion Splicer 90R12

Designed to keep you going

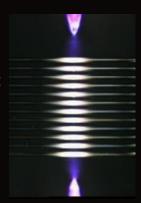




Mass Fusion Technology

The 90R12 mass fusion splicer has a wide heating area for up to 12 fibers. The wide electrode gap melts the fibers uniformly and has real-time arc discharge control by analyzing the arc's brightness intensity. The 90R12 does not have active core alignment mechanisms, however, during the

discharge, fiber surface tension effects minimize preexisting offsets.

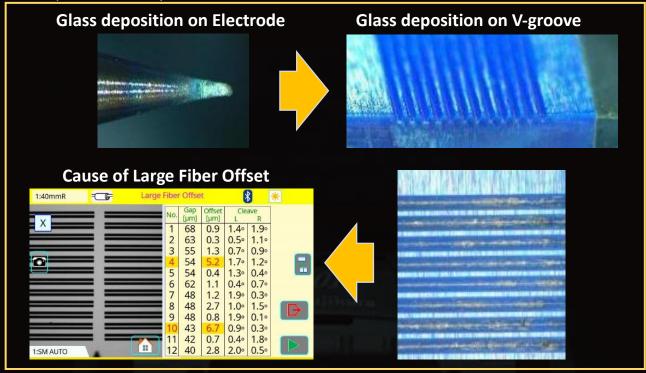


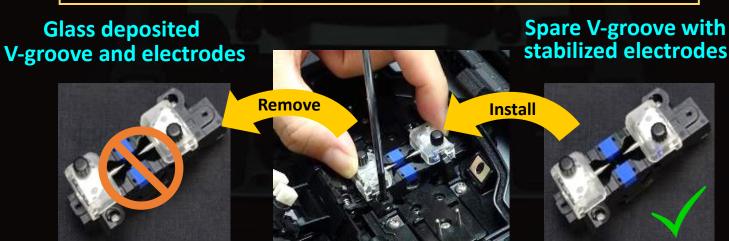
Analyzing arc power by observing the brightness intensity

Advanced Innovation

Replaceable V groove

The 90R12 mass fusion splicer includes a spare set of 12 fiber V-grooves with electrodes installed and ready to splice as part of the standard package. These spare V-grooves are field replaceable, so your downtime is minimized.





Universal Features

1. Universal Fiber Holder

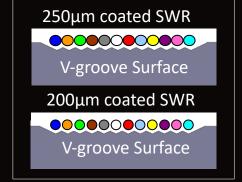
The FH-70-12 fiber holder is compatible with many types of 12 fiber ribbon, such as 0.3mm or 0.4mm thick encapsulated ribbons and 200 μ m or 250 μ m coated Spider Web Ribbon (SWR). The 250 μ m pitch V-grooves in the FH-70-12 fiber holder simplify SWR

loading and ribbon preparation.





FH-70-12

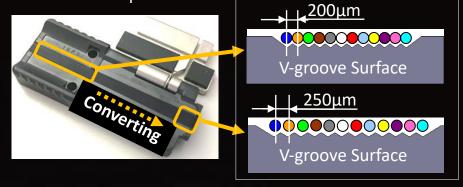


2. Pitch Conversion Fiber Holder

The pitch conversion fiber holder, FH-70-12PC, enables pitch conversion of individual 200µm coated fibers from a 200µm to 250µm pitch. The pitch converted 200µm fibers can now be loaded in the 90R12 mass fusion splicer.



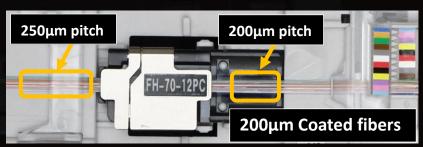
FH-70-12PC



3. Ribbonizing Tool

The RT-02 is a tool which enables quick and easy ribbonization of 12 individual fibers into a temporary ribbon which can be spliced using an 90R12. No glue or adhesive is required when using this ribbonizing tool since the arranged fibers are immediately loaded into the fiber holder. The RT-02 doesn't require the user to insert the fibers in the color code sequence, which is necessary with other ribbon arrangement tools. The user can choose any fiber at random, and place in the correct slot by referring to the color code label on the tool. The RS-02 is applicable to ribbonize both 200 μ m and 250 μ m coated fibers. It's also capable of ribbonizing 200 μ m coated fibers into 250 μ m pitch ribbon using the FH-70-12PC pitch conversion fiber holder.





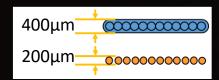
Ribbonizing 200µm coating fiber

4. Necessary Items for Mass Fusion Splicing

12 Fiber Ribbon Structure		Fiber Holder	Ribbonizing Tool
SWR with 2 and Encapsulated Ribbon 200um co	250um coating diameter with 250μm pitch	FH-70-12	Not required
	200um coating diameter with 250μm pitch	FH-70-12	
Non-ribbonized	250μm coating diameter		RT-02 or FAT-04
Fibers	200μm coating diameter	FH-70-12PC	RT-02

5. Universal Ribbon Stripper

The RS series ribbon strippers are compatible with 200 μ m to 400 μ m coated fibers without replacing the stripper blades.



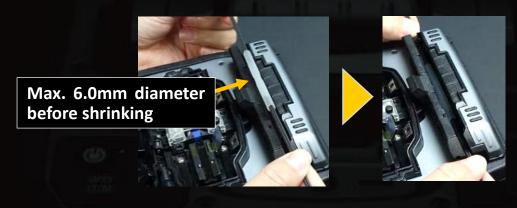
Available thickness range



RS03

6. Universal Tube Heater

The 90R12 mass fusion splicer can accommodate a max 6.0mm diameter heat sleeve before shrinking. As a result, it supports a wide range of protection sleeve sizes.



User Friendly

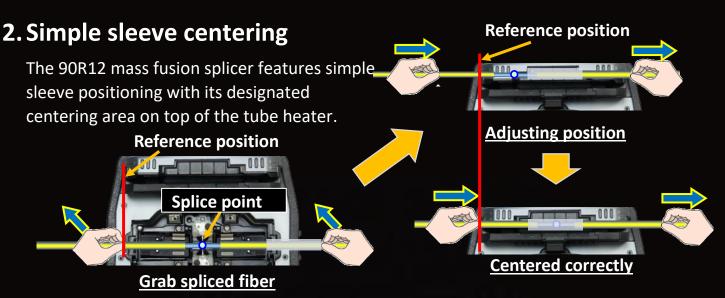
1. Automated Functionality

The automated wind protector and heater clamps support the operator in completing the entire splicing process with minimal manual steps.



Automated open-close Wind protector

Automated Tube heater clamp



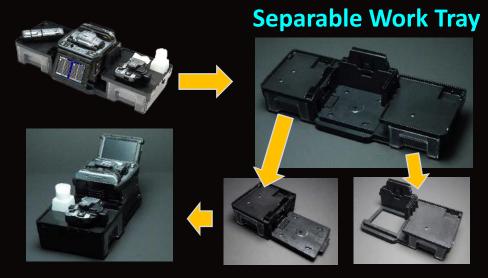
3. Carrying Case

There are multiple ways to utilize the 90R12 carrying case. The 90R12 is ready to use just by opening the case, but it is also possible to use the 90R12 on top of the carrying case or only with the work tray depending on the work environment.



4. 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







Battery packs



Large storage space under work tray

Active Blade Management Technology

1. Automatic Blade Rotation

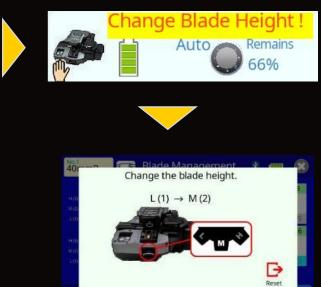
The 90R12 fusion splicer and CT50 fiber cleaver are enabled with wireless data connectivity. This capability allows automatic cleaver blade rotation when the splicer judges the blade is worn. Also, the 90R12 fusion splicer can connect to two CT50s and



2. Blade Life Management

The 90R12 fusion splicer displays the remaining blade life and informs the user when a blade height change, position change, or new blade is required.





3. Stripping Condition Control

When the user changes the splice mode, e.g. from 12 fiber ribbon splice mode to SWR fiber splice mode, the ribbon stripper RS03 automatically changes its heating temperature and time with a wireless command from the splicer.



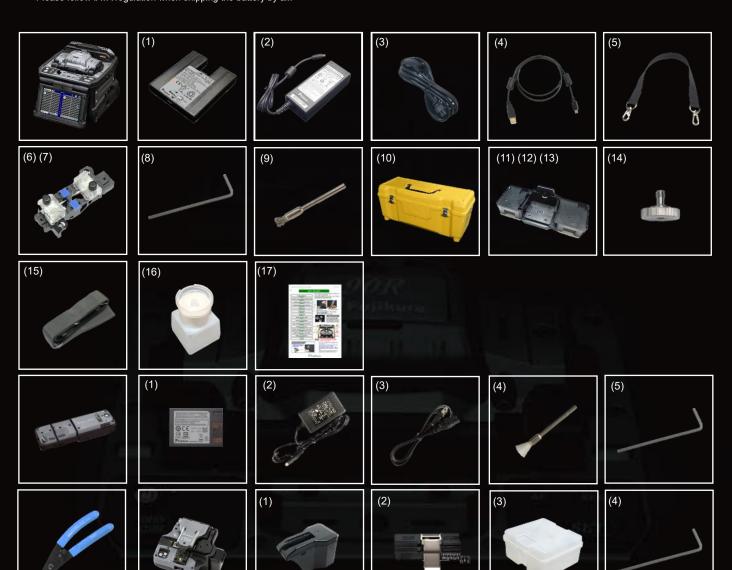


Heat temperature changes in accordance with Splice mode

Standard Package 90R12 Standard package

Item	Model	Qty
Mass Fusion Splicer	90R12	1 pc
(1) Battery Pack *	BTR-15	1 pc
(2) AC Adapter	ADC-20	1 pc
(3) AC Power Cord	ACC-14, 15, 16, 17 or 18	1 pc
(4) USB Cable	USB-01	1 pc
(5) Fusion Splicer Strap	ST-02	1 pc
(6) Electrodes, on spare V-groove	ELCT2-16B	1 pair
(7) 12 fiber V-groove, spare	VG12-01, 250 to 255µm spacing	1 pc
(8) Hexagonal Wrench	HEX-01	1 pc
(9) V-groove Cleaning Brush	VCB-01	1 pc
(10) Carrying Case	CC-39	1 pc
(11) Work Tray Left	WT-09L	1 pc
(12) Work Tray Right	WT-09R	1 pc
(13) Work Tray J-Plate	JP-09	1 pc
(14) Tripod Screw	TS-03	2 pcs
(15) Carrying Case Strap	ST-03	1 pc
(16) Alcohol Dispenser	AP-02	1 pc
(17) Quick Reference Guide	QRG-03-E, C or J	1 pc
Ribbon Fiber Stripper	RS03	1 pc
(1) Battery Pack *	BTR-12A	1 pc
(2) AC Adapter	ADC-09A	1 pc
(3) AC Power Cord	ACC-08, 09, 10, 11 or 12	1 pc
(4) Blade Cleaning Brush	BRS-02	1 pc
(5) Hexagonal Wrench	HEX-01	1 pc
Single Fiber Stripper	SS03 or SS01	1 pc
Optical Fiber Cleaver	CT50	1 pc
(1) Fiber Scrap Collector	FDB-05	1 pc
(2) Fiber Setting Plate	AD-10-M24	1 pc
(3) Case	CC-37	1 pc
(4) Hexagonal Wrench	HEX-01	1 pc
* Please follow IATA regulation when ship	oping the battery by air.	





Specifications

90R12 Specifications

Item		Specification
		Specification Solf cladding cligament
Fiber alignment method		Self cladding alignment
Fiber count can be enliged		with melting surface tension
Fiber count can be spliced		Up to 12 fiber ribbon
Applicable	Fiber type	Single mode optical fiber
fiber		Multi mode optical fiber
	Cladding dia.	Approx.125µm
Applicable coating	Fiber holder	Coating shape. : Refer to options
7 .pp		Cleave length : Approx. 10mm
		ITU-T G.652 : Avg. 0.05dB
		ITU-T G.651 : Avg. 0.02dB
	Splice loss *1	ITU-T G.653 : Avg. 0.08dB
Fiber splice		ITU-T G.655 : Avg. 0.08dB
performance		ITU-T G.657 : Avg. 0.05dB
		SM FAST mode : Avg. 14 to 15sec.
	Splice time *2	SM AUTO mode : Avg. 19 to 20sec.
A	Ola avea toma	Heat shrinkable sleeve
Applicable	Sleeve type	
protection	Sleeve length	Max. 66mm
sleeve	Sleeve dia.	Max. 6.0mm before shrinking
Sleeve heat		40mm FP-05 mode : Avg. 38 to 40sec.
performance	Heat time *3	40mm FP-04T mode : Avg. 17 to 19sec.
ponomiano		Single 60mm mode: Avg. 13 to 15sec.
Fiber tensile test forc	e	Approx. 2.0N
Electrode life *4		Approx. 1,500 splices
	Dimensions W	Approx.170mm without projection
Physical	Dimensions D	Approx.173mm without projection
description	Dimensions H	Approx.150mm without projection
	Weight	Approx. 2.6kg including battery
		Operate : -10 to 50 degreeC
Environmental	Temperature	Storage: -40 to 80 degreeC
condition		
Condition	Humidity	Operate : 0 to 95%RH non-condensing
		Storage : 0 to 95%RH non-condensing
	Altitude	Max. 3,700m
		AC100 to 240V, 50/60Hz, Max. 1.5A
AC adaptor	Input	710 100 to 2 10 V, 00/00/12, Wax. 1:0/1
AC adaptor	Туре	Rechargeable Lithium Ion
AC adaptor	Type Output	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh
	Туре	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles
AC adaptor Battery pack	Type Output Capacity *5	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles Recharge : 0 to 40 degreeC
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	Type Output Capacity *5	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles
Battery pack	Type Output Capacity *5 Temperature	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles Recharge : 0 to 40 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen
	Type Output Capacity *5 Temperature Battery life *6 LCD monitor	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles Recharge : 0 to 40 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen
Battery pack Display	Type Output Capacity *5 Temperature Battery life *6 LCD monitor Magnification	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles Recharge : 0 to 40 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen Approx. 20X : 12 ribbon to 60X : single
Battery pack	Type Output Capacity *5 Temperature Battery life *6 LCD monitor Magnification V-grooves	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles Recharge: 0 to 40 degreeC Storage: -0 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen Approx. 20X: 12 ribbon to 60X: single LED lamp
Battery pack Display	Type Output Capacity *5 Temperature Battery life *6 LCD monitor Magnification V-grooves PC	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles Recharge: 0 to 40 degreeC Storage: -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen Approx. 20X: 12 ribbon to 60X: single LED lamp USB2.0 Mini B type
Battery pack Display Illumination	Type Output Capacity *5 Temperature Battery life *6 LCD monitor Magnification V-grooves PC External	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles Recharge: 0 to 40 degreeC Storage: -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen Approx. 20X: 12 ribbon to 60X: single LED lamp USB2.0 Mini B type USB2.0 A type
Battery pack Display	Type Output Capacity *5 Temperature Battery life *6 LCD monitor Magnification V-grooves PC External LED lamp	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles Recharge : 0 to 40 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen Approx. 20X : 12 ribbon to 60X : single LED lamp USB2.0 Mini B type USB2.0 A type Approx. DC5V, 500mA
Battery pack Display Illumination	Type Output Capacity *5 Temperature Battery life *6 LCD monitor Magnification V-grooves PC External	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles Recharge : 0 to 40 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen Approx. 20X : 12 ribbon to 60X : single LED lamp USB2.0 Mini B type USB2.0 A type Approx. DC5V, 500mA Mini DIN 6pin
Battery pack Display Illumination	Type Output Capacity *5 Temperature Battery life *6 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles Recharge: 0 to 40 degreeC Storage: -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen Approx. 20X: 12 ribbon to 60X: single LED lamp USB2.0 Mini B type USB2.0 A type Approx. DC5V, 500mA Mini DIN 6pin DC12V, Max. 1A
Battery pack Display Illumination	Type Output Capacity *5 Temperature Battery life *6 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *7	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles Recharge: 0 to 40 degreeC Storage: -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen Approx. 20X: 12 ribbon to 60X: single LED lamp USB2.0 Mini B type USB2.0 A type Approx. DC5V, 500mA Mini DIN 6pin DC12V, Max. 1A Bluetooth 4.1 LE
Battery pack Display Illumination Interface	Type Output Capacity *5 Temperature Battery life *6 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *7 Splice mode	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles Recharge: 0 to 40 degreeC Storage: -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen Approx. 20X: 12 ribbon to 60X: single 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
Battery pack Display Illumination	Type Output Capacity *5 Temperature Battery life *6 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *7 Splice mode Heat mode	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles Recharge : 0 to 40 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen Approx. 20X : 12 ribbon to 60X : single 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
Battery pack Display Illumination Interface	Type Output Capacity *5 Temperature Battery life *6 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *7 Splice mode Heat mode Splice result	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles Recharge : 0 to 40 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen Approx. 20X : 12 ribbon to 60X : single 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 10,000 splices
Battery pack Display Illumination Interface Data storage	Type Output Capacity *5 Temperature Battery life *6 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *7 Splice mode Heat mode	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles Recharge : 0 to 40 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen Approx. 20X : 12 ribbon to 60X : single 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 10,000 splices 100 images
Battery pack Display Illumination Interface	Type Output Capacity *5 Temperature Battery life *6 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *7 Splice mode Heat mode Splice result	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles Recharge : 0 to 40 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen Approx. 20X : 12 ribbon to 60X : single 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 10,000 splices
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Battery pack Display Illumination Interface Data storage Screw hole for tripod	Type Output Capacity *5 Temperature Battery life *6 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *7 Splice mode Heat mode Splice result Splice image	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles Recharge : 0 to 40 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen Approx. 20X : 12 ribbon to 60X : single 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 10,000 splices 114-20UNC Splice mode select
Battery pack Display Illumination Interface Data storage	Type Output Capacity *5 Temperature Battery life *6 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *7 Splice mode Heat mode Splice result Splice image	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles Recharge : 0 to 40 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen Approx. 20X : 12 ribbon to 60X : single 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 10.000 splices 100 images 1/4-20UNC Splice mode select by fiber count analysis
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Battery pack Display Illumination Interface Data storage Screw hole for tripod Other	Type Output Capacity *5 Temperature Battery life *6 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *7 Splice mode Heat mode Splice result Splice image	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles Recharge : 0 to 40 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen Approx. 20X : 12 ribbon to 60X : single 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 10,000 splices 100 images 1/4-20UNC Splice mode select by fiber count analysis Discharge power calibration Wind protector : open and close Heater lid : open and close
Battery pack Display Illumination Interface Data storage Screw hole for tripod Other	Type Output Capacity *5 Temperature Battery life *6 LCD monitor Magnification V-grooves PC External LED lamp Ribbon Stripper Wireless *7 Splice mode Heat mode Splice result Splice image	Rechargeable Lithium Ion Approx. DC14.4V, 6,380mAh Approx. 165 splice and heat cycles Recharge : 0 to 40 degreeC Storage : -20 to 30 degreeC Approx. 500 recharge cycles TFT 5 inches with touch screen Approx. 20X : 12 ribbon to 60X : single 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 10,000 splices 100 images 1/4-20UNC Splice mode select by fiber count analysis Discharge power calibration Wind protector : open and close

Electrode

Replaceable without tool

90R12 Options

Item	Model	Remark	
V-groove	VG12-01-200	12 fiber ribbon, 200 to 210µm spacing	
	FH-70-200	200µm coating diameter	
	FH-70-250	250µm coating diameter	
	FH-70-900	900µm coating diameter	
	FH-70-2	2 fiber ribbon	
Fiber holder	FH-70-4	4 fiber ribbon	
	FH-70-8	8 fiber ribbon	
	FH-70-12	12 fiber ribbon	
	FH-70-12PC	Pitch conversion for 12 fiber ribbon	
	FH-70-12-200	12 fiber ribbon, 200 to 210µm spacing	
	FH-FC-20	900µm in 2mm diameter cable	
	FH-FC-30	900µm in 3mm diameter cable	
	FH-60-LT900	900µm loose buffer fiber	
DC Adapter	DCA-03	Connect AC adapter not	
DO / tdaptoi	DO/ 1-00	through battery	
	DCC-20	Car cigar socket to BTR15/DCA-03	
DC power cord	DCC-21	Car battery to BTR-15/DCA-03	
20 ponto cora	DCC-11	Splicer to ribbon stripper	
Optical Fiber Cleaver	CT58	Cladding diameter 80µm only	
Ribbon Fiber Stripper	RS03-80	Cladding diameter 80µm, up to 16 fiber ribbon	
Ribbonizing Tool	FAT-04	2 to 16 fibers, 250µm diameter	
	RT-02	2 to 12 fibers, 200 to 250µm diameter	
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	
Protection	FP-04(T)	40mm up to 8 fiber ribbon	
sleeve	FP-05	40mm up to 12	

- *1: 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.
- *2: 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.
- *3: 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
- 4: The electrode life changes depending on the environmental conditions, fiber type and splice modes.
- *5: Test condition
 - (1) 12 fiber ribbon : Splice and heat time : 2 minutes cycle with FP-05 sleeve (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
- *6: 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.
- *7: Bluetooth® mark and logos are the registered trademarks of Bluetooth SIG, Inc.

Specifications

CT50 Specifications

ltem		Specifications
Applicable fiber	Ethan America	Single mode optical fiber
	Fiber type	Multi mode optical fiber
	Fiber count	Up to 16 fiber ribbon
	Cladding dia.	Approx. 125µm
Applicable	Fiber setting	AD-10-M24 : Max. 900µm coating diameter
coating	plate	AD-50 : Max. 3mm coating diameter
codurig	Fiber holder	Coating shape. : Refer to splicer options
		AD-10-M24 : 5 to 20mm *1
Cleave length	Fiber setting	AD-50 *CD : coating diameter
	plate	CD= 250µm or less : 5 to 20mm *1
		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
Cleave allyle 2	Fiber ribbon	Avg. 0.3 to 1.2 degrees
Blade life *3		Approx. 60,000 fiber cleaves
	Dimensions W	Approx. 120mm without projection *4
Physical	Dimensions D	Approx. 95mm without projection *4
description	Dimensions H	Approx. 58mm without projection *4
docompacti	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 *5		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
Fiber Setting Plate	AD-50	Optional fiber setting plate
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
	SPA-CT08-10	Cleave length 10mm
Spacer	SPA-CT08-9	Cleave length 9mm
	SPA-CT08-8	Cleave length 8mm

Notes

- *1: When the cleave length is less than 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 less than 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: Measured in a condition when closing the lever
- *5: Bluetooth® mark and logos are the registered trademarks of Bluetooth SIG, Inc.

RS03 Specifications



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ltem		Specifications
Applicable fiber	Fiber type	Single mode optical fiber
	2.	Multi mode optical fiber
	Fiber count	Up to 16 fiber ribbon
	Cladding dia.	Approx. 125µm
	Coating dia.	200 to 400µm
Strip length		Max. 35mm
Heat time *1		Approx. 3sec
riodi timo i		Approx. 5sec with Eco-mode
Heat temperature		85 to 140 degree C
	Dimensions W	Approx.156mm without projection
Physical description	Dimensions D	Approx.49mm without projection
	Dimensions H	Approx.37mm without projection
	Weight	Approx. 265g including battery
	Temperature	Operate : -10 to 50 degreeC
Environmental		Storage: -40 to 80 degreeC
condition	Humidity	Operate: 0 to 95%RH non-condensing
		Storage: 0 to 95%RH non-condensing
AC adaptor	Input	AC100 to 240V, 50/60Hz, Max. 0.58A
DC adaptor	Input	DC10 to 17V, Approx. 1A
	Туре	Rechargeable Lithium Ion
	Output	Approx. DC7.2V, 1840mAh
Battery	Capacity *2	Approx. 600 times with Eco-mode
	Temperature	Recharge: 0 to 40 degreeC
		Storage: -20 to 30 degreeC
	Battery life *3	Approx. 500 recharge cycles
Wireless interface *4		Bluetooth 4.1 LE
Other	Strip operation	Lower stripping force than previous model
features	Setting change	Controlled from splicer or smartphone
icatures.	Setting change	Controlled from splicer of smartphone

RS03 Options

Item	Model Name	Remark
Spacer	SPA-RS02-08	Coating length 8mm
DC power cord	DCC-11	Splicer to ribbon stripper

Notes

- *1: Measured at room temperature. The heat time changes depending on the environmental conditions and fiber coating type.
- *2: Tested at room temperature with a not degraded battery and Eco-mode. The number of cycles changes depending on the environmental conditions, stripper settings and battery degrading condition.
- *3: 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.
- *4: Bluetooth® mark and logos are the registered trademarks of Bluetooth SIG, Inc.





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