

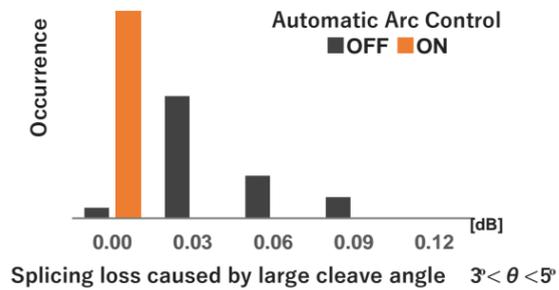
Not just ease of use.

Stable splicing quality with our standard features.



ACTIVE FUSION
CONTROL TECHNOLOGY

~For optimal arc conditions~



Optical fiber type and end-face condition are analyzed in real-time, and arc conditions are automatically adjusted for optimal performance. This ensures consistently low splice loss.

Standard Package

Item	Model	Qty
Core Alignment Fusion Splicer	100S	1pc
(1) Battery Pack *	BTR-19	1pc
(2) AC Adapter	ADC-22	1pc
(3) AC Power Cord	ACC-19	1pc
(4) USB Cable	USB-02	1pc
(5) Fusion Splicer Strap	ST-02	1pc
(6) Electrodes, for spare	ELCT2-16C	1pairs
(7) Fiber Holder Set Plate	SP-05	1pairs
(8) Carrying Case	CC-48	1pc
(9) Work Tray Left	WT-11L	1pc
(10) Work Tray Right	WT-11R	1pc
(11) Work Tray J-Plate	JP-11	1pc
(12) Tripod Screw (For splicer)	TS-04A	1pc
(13) Carrying Case Strap	ST-04	1pc
(14) Alcohol Dispenser	AP-02	1pc
(15) Instruction Manual	PDF file stored in Splicer	
Single Fiber Stripper	SS05	1pc
Optical Fiber Cleaver	CT60	1pc
(1) Fiber Scrap Collector	FDB-07	1pc
(2) Fiber Setting Plate	AD-60A	1pc
(3) Case, for cleaver	CC-49	1pc
(4) Hexagonal Wrench	HEX-01	1pc

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



ACTIVE BLADE
MANAGEMENT TECHNOLOGY

~For optimal cleaving angle~



Detects blade worn position!
The blade condition is managed in real-time via Bluetooth. When worn position is detected, the blade automatically rotates to the next position, allowing work to be performed at the optimal position.

Our after-sales service

Fujikura has a worldwide network of authorized distributors who have certified maintenance center. We provide comprehensive after-sales service, including usage assistance and repair services, this ensures our products maximum lifetime.



Core Alignment Fusion Splicer 100S Kit



Innovation at your fingertips

Fujikura Ltd.

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Inquiry from
here→

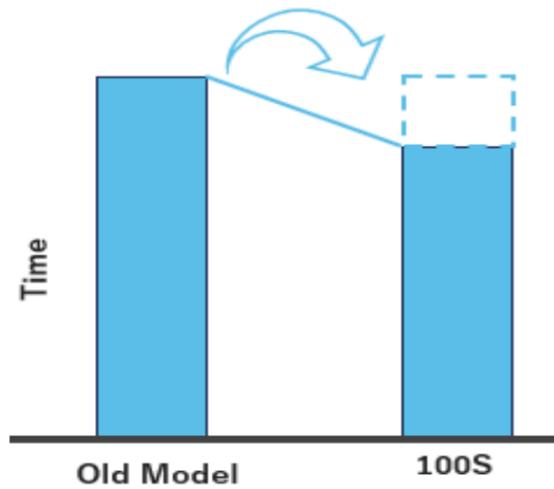


<https://www.optic-product.fujikura.com/jp/>

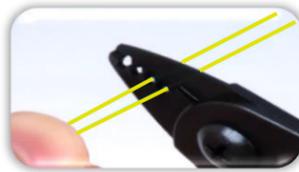
Core Alignment Fusion Splicer 100S

Faster, easier, changing the field use with advanced fusion splicers.

Achieved **20%** faster operation

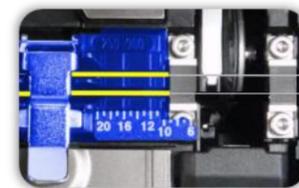


Simultaneous Optical fiber preparation.



Stripping

The single fiber stripper SS05 can strip two optical fibers at the same time



Cleaving

The optical fiber cleaver CT60 can cleave two optical fibers simultaneously.



Setting

When setting the optical fibers, the clamp cover closes automatically, allowing two optical fibers to be set simultaneously.

Simplified optical fiber set using the finger placement guide

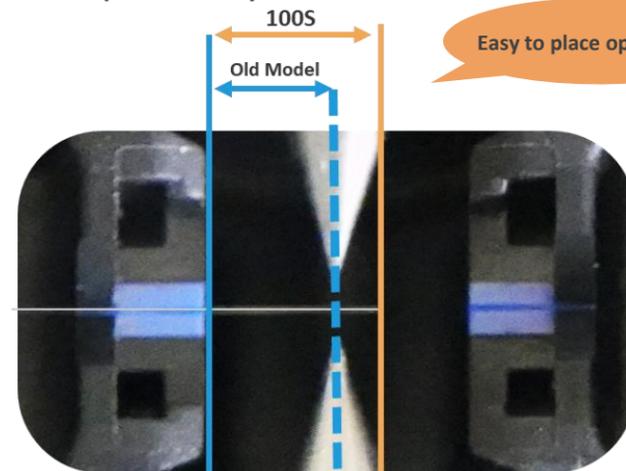
A V-shaped guide has been added to the optical fiber setting area. By aligning your finger with the guide, it has become easier to place the optical fiber accurately.



Finger placement guide

Expanded allowable range for optical fiber setting

It is possible to splice even when the optical fiber tip extend beyond the electrode.



Wind protector with automatic open and close function

After setting the optical fiber, the wind protector closes automatically and opens automatically once the splicing process finishes.



For external illumination

AC Adapter

Adjustable lever opening angles

By adjusting the lever opening angle, it is easy to use in various situations, whether on a tabletop or handheld.



Optical fiber cleaver, CT60

Increased number of blade positions.

By increasing the number of blade positions from 16 to 28 compared to the previous model, no need for blade height adjustment anymore.



Blade, CB-10

User-friendly features

GPS

Location information acquired via GPS at the time of splicing is saved in memory. It helps with daily workflow management.

Linked with smartphone app



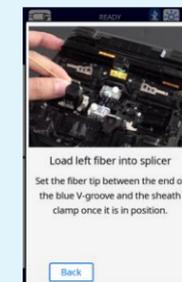
With the app Splice+, you can view the location information and splice results. Additionally, it equipped with a locking function to prevent theft.

DOWNLOAD ⇒



Splice Coach function

Step-by-step instructions appear on the screen, allowing for seamless and confident work.



Compatible with mobile batteries*

Supports charging via standard mobile batteries, ensuring reliability even during sudden power loss.



Please confirm that any mobile battery connected to this product meets USB PD standards and adhere to the mobile battery's precautions. Do not use mobile batteries that are incompatible with this machine.

100S

Core alignment fusion splicer

FEATURES

- Simultaneous fibre preparation—stripping, cleaving & placement in the splicer—create a smooth workflow and speeds up the splice process time by 20%.
- Adjustable colour touch screen customisable automated features and new fibre guides.
- Active Fusion Control and Active Blade Management technologies.



FIBRE ALIGNMENT METHOD	Active core alignment
SPLICEABLE FIBRE COUNT	Single-fibre
FIBRE TYPE	Single-mode and multi-mode optical fibre
CLADDING DIAMETER¹	80µm - 150µm
SHEATH CLAMP COATING	3000µm maximum coating diameter
SHEATH CLAMP CLEAVE LENGTH¹	5mm - 16mm
ITU-T G.652 SPLICE LOSS²	Avg. 0.02dB
ITU-T G.651 SPLICE LOSS²	Avg. 0.01dB
ITU-T G.653 SPLICE LOSS²	Avg. 0.04dB
ITU-T G.654 SPLICE LOSS²	Avg. 0.04dB
ITU-T G.655 SPLICE LOSS²	Avg. 0.04dB
ITU-T G.657 SPLICE LOSS²	Avg. 0.02dB
SM FAST MODE SPLICE TIME³	Avg. 7 to 9 seconds
SM AUTO MODE SPLICE TIME³	Avg. 11 to 13 seconds
AUTO MODE SPLICE TIME	Avg. 14 to 16 second
PROTECTION SLEEVE TYPE	Heat-shrinkable sleeve
SLEEVE LENGTH	Max. 66mm
SLEEVE DIAMETER	Max. 6mm before shrinking
60MM SLIM MODE HEAT TIME⁴	Avg. 8 to 10 seconds
60MM MODE HEAT TIME⁴	Avg. 13 to 15 seconds
FIBRE TENSILE TEST FORCE	Approx. 2.0N
ELECTRODE LIFE⁵	Approx. 5,000 splices
WIDTH	155mm without projection
DEPTH	176mm without projection
HEIGHT	171mm without projection
WEIGHT	Approx. 2.8kg including battery
OPERATING TEMPERATURE	-10 to 50°C
STORAGE TEMPERATURE	-40 to 80°C
OPERATING & STORAGE HUMIDITY	0 to 95% RH non-condensing
OPERATING ALTITUDE	Max. 5000m
AC ADAPTOR INPUT	AC100 to 240V, 50/60Hz, Max. 1.5A
AC ADAPTOR OUTPUT	Approx. DC 12V, Max 7A
DC ADAPTOR INPUT	DC10 to 15V, Max. 7A
BATTERY TYPE	Rechargeable lithium-ion
BATTERY OUTPUT	Approx. DC14.4V, 6,380mAh

BATTERY CAPACITY⁶	Approx. 300 splice and heat cycles
BATTERY LIFE⁷	Approx. 500 recharge cycles
BATTERY RECHARGE TEMPERATURE RANGE	0 to 40°C
BATTERY OPERATING TEMPERATURE RANGE	-10°C to 50°C
BATTERY STORAGE TEMPERATURE <1YR	-20°C to 20°C
BATTERY STORAGE TEMPERATURE <3MTH	-20°C to 40°C
BATTERY STORAGE TEMPERATURE <1MTH	-20°C to 50°C
LCD DISPLAY	4.95-inch colour TFT touch screen
DISPLAY MAGNIFICATION	Approx. 320x
V-GROOVE ILLUMINATION	LED lamp
PC INTERFACE	USB C (with power delivery)
EXTERNAL LED LAMP INTERFACE	USB 2.0 A connector Approx. DC5V, 500mA
RIBBON STRIPPER	Mini DIN 6-pin DC12V, Max 1A
WIRELESS CONNECTIVITY⁸	Bluetooth® 5.2 LE
SPLICE MODE DATA STORAGE	100 splice modes
HEAT MODE DATA STORAGE	30 heat modes
SPLICE RESULT DATA STORAGE	20,000 splices
SPLICE IMAGE DATA STORAGE	100 images
TRIPOD SCREW HOLE	1/4-20UNC
AUTOMATIC FUNCTIONS	Splice mode select by fibre type analysis, fusion control, wind protector open/close, sheath clamp open, splice start heater lid open/close, heater clamp open/close, heater start
SPECIAL SPLICE	Attenuation splice
GPS	Record splice location in the splicer

¹ Cleave length range depending on fiber type 5mm to 16mm: 125µm cladding diameter and 250µm coating diameter 10mm to 16mm: 125µm cladding diameter and 400 or 500µm coating diameter 5mm to 10mm: 80µm cladding diameter and 160µm coating diameter 5mm to 16mm: 150µm cladding diameter and 250µm coating diameter

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 appearing on 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 adaptor. 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: 1 minute cycle [2] Using the splicer power save settings [3] Using a healthy 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.

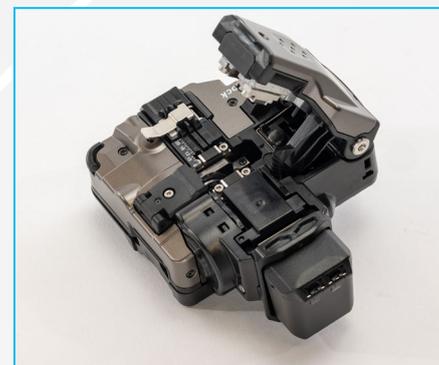
⁸ Bluetooth® mark and logos are the registered trademarks of Bluetooth SIG, Inc.

CT60

Optical fibre cleaver

FEATURES

- Active Blade Management Technology
- Easy maintenance
- Single action operation
- Easy access and longer stripped fibres



FIBRE TYPE	Single-mode and multi-mode optical fibre
FIBRE COUNT	Single, dual, and up to 16-fibre ribbon
CLADDING DIAMETER	Approx. 125 µm
COATING DIAMETER	AD-60A: Max. 900µm coating diameter 1 fibre and max. 250µm coating diameter 1 fibre AD-60B: Max. 3mm coating diameter
COATING SHAPE	Refer to splicer options
CLEAVING LENGTH - AD-60A¹	Coating diameter: <= 250µm: 5mm to 20mm 250µm < C.D. <= 900µm: 10~20mm
CLEAVING LENGTH - AD-60B¹	C.D. <= 250µm: 5 to 20mm 250µm < C.D. <= 900µm: 10 to 20mm 900µm < C.D. <= 3mm: 14 to 20mm
CLEAVING LENGTH - FIBRE HOLDER	10mm
CLEAVE ANGLE²	Single-fibre: avg. 0.3° to 0.9°, fibre ribbon: avg. 0.3° to 1.2°
BLADE LIFE³	60,000 cleaves
WIRELESS CONNECTIVITY⁴	Bluetooth®5.2
POWER SUPPLY	2 AAA (LR03) dry battery
DIMENSIONS⁵	113mm [W] x 92mm [D] x 54mm [H]
WEIGHT	280g
OPERATING TEMPERATURE	-10° to 50°C
OPERATING HUMIDITY	0 to 95% RH non-condensing
STORAGE TEMPERATURE	-40 to 80°C
STORAGE HUMIDITY	0 to 95% RH non-condensing
SCREW HOLE FOR TRIPOD	1/4-20 UNC
OTHER FEATURES	Blade rotation (motorised rotation, manual rotation dial), Replaceable parts (blade, clamp arm), Lever opening angle can be changed, shape and cleaving mechanism suitable for tabletop and handheld cleaving

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 fibres and ribbon fibres. 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 fibre type cleaved.

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⁵ Measured with the lever closed.

