



Fujikura 70R+ Ribbon Fusion Splicer

The Fujikura 70R+ is the world's fastest and most ruggedised ribbon fusion splicer. The 70R+ builds on Fujikura's proven ruggedised construction to deliver a splice and heat cycle time of approximately 29 seconds. Incorporating new automated features and on-board instructional videos, the Fujikura sets the benchmark in speed, ease of use and optical performance.

Features and Benefits

- Fully automated wind cover and heater operation
- FAST! 11 second splice time /18 second heat time (FP-04T)
- Long-life battery provides 110 splice/heat cycles
- Extended electrode performance with 1500 splices per set
- Large, high visibility 4.73" colour screen
- 30" drop tested on all six sides
- Fibre holder and FUSEConnect® compatible
- On-board instructional videos
- Transit case with work table
- Bluetooth capability
- Optional non-wireless model available



FUJCT50



FUJHJRS02

Fujikura 70R+ Ribbon Fusion Splicer

Technical Specifications

Applicable Type of Fibres	SM (ITU-T G.652 and G657), MM (ITU-T G.651), DS (ITU -T G.653), NZDS (ITU-T G.655)
Fibre Count	Single, 2, 4, 5, 6, 8, 10 and 12
Applicable Fibre Dimensions	Ribbon: Cladding diameter 125 µm, Ribbon fibre thickness 0.25 mm to 0.4 mm Single: Cladding diameter 125 µm, Coating diameter 250 µm to 900 µm
Cleaved Length	10-13 mm
Splicing Modes	Total 100 modes
Typical Splice Loss	0.05 dB with SM, 0.02 dB with MM, 0.08 dB with DS and 0.08 dB with NZDS (measured by cut-back method relevant to ITU-T and IEC standard)
Return Loss	≥60 dB
Splicing Time	Typical: 11 sec SM FAST, 15 sec SM AUTO, 15 sec with AUTO modes with standard SM (ITU-T G.652)
Splice Loss Estimate	Available using dual camera cladding alignment data
Tube Heater/Heating Time	Built-in tube heater with 30 heating modes/Typical 18 sec with Fujikura FP-04T and 40 sec with FP-05 (12F ribbon)
Applicable Protection Sleeve	60 mm, 40 mm and micro series
Storage of Splice Result	The last 2000 results to be stored in the internal memory
Tension Test	1.96 to 2.25 N
Operating Condition	0 to 3,660 m above sea level, 0 to 95% RH and -10 to 50°C and up to 15 m/s wind velocity, respectively
Storage Condition	0 to 95% RH (non dew), short term storage -40 to 80°C, long term storage with battery -20 to 30°C
Dimensions	146 W × 159 D × 150 H (mm) excluding rubber foot
Weight	2.3 kg with ADC-18 AC adaptor, 2.5 kg with BTR-09 battery
Viewing Method and Display	Dual cameras with 4.73" colour LCD monitor
Fibre View and Magnification	X/Y or X and Y simultaneously (35X magnification) Applicable voltage from 100 to 240 V AC or 10 to 15 V DC with ADC-18. 14.8V DC with BTR-09
Power Supply	Applicable voltage from 100 to 240 V AC or 10 to 15 V DC with ADC-18. 14.8 V DC with BTR-09
No. of Splice Cycles with Battery	Typical 110 cycles (splice/splice protector heat) with BTR-09
Electrode Life	1500 arc-discharges
Connectivity	USB 2.0 (Mini-B type) connector for PC communication. 6-pin Mini-DIN connector for RS-02, RS-03 or SH-8C power supply
Wireless Connectivity	Bluetooth 4.1 OS: Android 5.0 or above, iOS 8.0 or above (iPhone 6 or above)

Resistance Features

DESCRIPTION	Detail
Shock Resistance	76 cm (30 inch) bottom surface drop ¹
Dust Resistance	Exposure to dust (0.1 to 500 µm dia. Alumina Silicate) ¹
Rain Resistance	R=10 mm/h for 10 min ¹

1. Carried out in Fujikura labs in Japan. The shock resistance, dust resistance and rain resistance test do not guarantee that the product will not be damaged under these conditions.

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Splicer Packages

PART NUMBER	DESCRIPTION
FUJFSM70R12+-CT50	70R+ Cladding Alignment Splicer with CT50 cleaver, RS-02 jacket stripper and BTR-09 kit
FUJFSM70R12+-CT50-NW	70R+ Cladding Alignment Splicer with CT50 cleaver, RS-01 jacket stripper and BTR-09 kit, no Bluetooth

All splicer kits include fusion splicer, cleaver and items listed below:

PART NUMBER	DESCRIPTION
FUJFH-70-12	Fujikura 12 fibre ribbon holder set
FUJFSM-ADC18	AC adapter, battery charger, DC inlet to suit 70S+, 70R+, 19S/R
FUJFSM-BTR09	Battery pack to suit 70S+, 70R+, 19S/R
FUJFSM-DCC18	BTR-09 battery charge lead
FUJHJSRS02	RS-02 Hot Jacket Stripper
FUJFSM-DCC11	RS-02 DC power lead
FUJFSM-EL50/60S	Electrode set to suit 70S+, 70R+, 19S/R (1 fitted + 1 spare)
FUJFSM-70SRCARRYCASE	Fujikura 70S+, 70R+ lockable travel case with work tray

All splicer kits include safety goggles, sharps container, alcohol dispenser and storage bottle, 100 pk cotton tips, sleeve loader, electrode removal screwdriver, USB communications lead and instruction CD.

Accessories

PART NUMBER	DESCRIPTION
FUJFSM-EL50/60S	Electrode set to suit 70S+, 70R+, 19S/R
FUJFSM-BTR09	Battery pack to suit 70S+, 70R+, 19S/R
FUJFSM-DCC12	12V cigarette lighter lead to suit 70S+, 70R+, 19S/R
FUJFSM-ADC09	HJS-02 AC Power Supply + AC Lead
FUJFH-70-250	250 µm Fibre Holder Single Fibre 70S+, 70R+, 19S/R, CT30, CT05 / Hot jacket stripper (pair)
FUJFH-70-900	900 µm Fibre Holder Single Fibre 70S+, 70R+, 19S/R, CT30, CT05 / Hot jacket stripper (pair)
FUJFH-60-LT900	900 µm Loose Buffer Fibre Holder Single Fibre 70S+, 70R+, 19S/R, CT30, CT05 / Hot jacket stripper (pair)
HTST250/9/2-E	Ergonomic fibre stripper, three hole
HTST250-E	Ergonomic fibre stripper, 250 µm
HTSCKEV-E	Ergonomic wire and Kevlar cutting shears
IDE5163	Loose tube cable stripper
IDE5164	Stripping tool (6.4-14.3 mm)
HTST4.5/29	Round cable stripper (4.5-29 mm)
MEN712	Alcohol dispenser
SPLPROT-HS-xxxx	Single fibre splice protector available in 2.5 mm and 3 mm thickness, 45 mm and 62 mm lengths, 12 pk and 100 pk sizes
AFC-RACKMATE	RackMate sliding work tray
AFCKIT-CABLEPREP	Fibre cable preparation kit
AFCKIT-CABLEPREP-CK	Fibre and cable cleaning consumables kit
FUJFSM-EXTWAR5Y	Fujikura splicer extended care plan, 70, 19, 12, FSM-60 Series—5 Years