

# Fujikura 70S+

NEW

## Connecting the Future

**Core-to-Core  
Alignment  
Splicing 6sec  
Tube-heating 9sec**



Single Fiber Fusion Splicer

# Fujikura 70S+

Core-to-Core alignment, Dual-axis observation system



- Automated Wind-Protector.
- Minimum manual operation. Splice in 4 steps.
- Multi-functional carrying case with integrated work station.
- Absolute robustness.
- Bluetooth capability connection.



 **Fujikura**

# Fujikura 70S+

## SPECIFICATIONS

Applicable fibers	Single / SMF (G.652/657), MMF (G.651), DSF (G.653), NZDSF (G.655)
Cladding dia. / Sheath dia.	80-150μm / 100-3000μm
Cleave length	5mm to 16mm with sheath clamp
Splice mode / heating mode	Total 100 splice modes / 30 heating modes
Typical splice loss*1	0.02dB (SM), 0.01dB (MM), 0.04dB (DSF) and 0.04dB (NZDS)
Return loss	>>60dB
Attenuation splice function	Intentional high splice loss of 0.1dB to 15dB (0.1dB step) can be made for an in-line fixed attenuator.
Typical splice time	6sec ULTRA FAST 7sec SM FAST, 10sec SM AUTO
Typical tube heating time	13sec FP-03, coating dia.250μm 14sec FP-03, coating dia.900μm 9sec Slim 60mm ,coating dia.250μm
Splice result storage	Last 20,000 splices
Viewing methods / magnification	2 axis CMOS camera with 4.73" color LCD. X / Y (320X magnification), or both X and Y simultaneously (200X magnification)
Tension test	1.96 to 2.25N
Applicable protection sleeve	60mm, 40mm and Fujikura micro sleeves
No. of splice / heating per battery full charge*2	Typical 200 cycles with BTR-09
Electrode life	Typical 5000 splices
Wireless connectivity	Wireless technical standard : Bluetooth® 4.1LE*3 OS : Android 5.0 or above, ios 8.0 or above (iphone6 above)
Size / weight	146W x 159D x 150H (mm) / 2.7kg (including battery)
Operating condition	Altitude : 0 to 5,000m above sea level, Wind : 15m/sec*4 Temperature : -10 to 50deg C, Humidity : 0 to 95%RH, non-dew
Resistance features*5	Shock : 76cm (30inch) all surface drop Dust : Exposure to dust (0.1 to 500μm dia Alumina Silicate), IP5X Rain : H=10mm/hr for 10min, IPX2
Other features	PC software upgrade / data management
Terminals	USB 2.0 (Mini-B type) connector for PC communication, 6-pin Mini-DIN connector for RS02 or RS03 power supply.

\*1:Typical value of the inspection with Fujikura identical fiber. Measured by cut-back method relevant to ITU-T and IEC standards.

\*2:one(1) splicing and heating cycle per two(2) min. under room temperature condition.

\*3:The Bluetooth wireless connection of this product is not guaranteed to work with all smartphones or other devices.

\*4:Under strong wind, it is necessary to lengthen the heating time setting.

\*5:The shock, dust and rain resistance test do not guarantee the product will not be damaged under these conditions.

\*Bluetooth® and Bluetooth logo is a registered trademark of Bluetooth SIG, Inc.



## ACCESSORIES

Description	Model No.
High precision single fiber cleaver	CT08 (for single fiber)
High precision fiber cleaver	CT50 (for single to 12 ribbon fibers)
Thermal jacket stripper	RS02, RS03
Protection sleeve	FP-03 / 03 (L=40) and FPS01series

## OPTIONAL ITEMS

Description	Model No.	SET
Fiber holder	FH-60-250 (coating dia. 250μm)	1pair
	FH-60-900 (coating dia. 900μm)	1pair
	FH-60-DC250 (coating dia. of 250μm in drop cable)	1pair
	FH-FC-20 (coating dia. of 900μm in 2.0mm Sheath dia.)	1pc
	FH-FC-30 (coating dia. of 900μm in 3.0mm Sheath dia.)	1pair
	FH-60-LT900 (900μm dia. loose buffer fiber)	1pair
Sheath clamp	CLAMP-S70C (included in standard package)	1pair
	CLAMP-S70D (900μm dia. loose buffer fiber)	1pair
Battery pack	BTR-09 (Li-ion)*6	1pc
Battery charge cord	DCC-18	1pc
DC power cord	DCC-12 (for cigar-socket)	1pc
	DCC-13 (with aligator clamp)	1pc
Electrodes	ELCT2-20A	1pair
J-plate	JP-06	1pc

\*6:all senders must to obey the IATA regulation when transporting Li-ion battery by air.

## STANDARD PACKAGE

Description	Model No.	Q'ty
Fusion splicer	70S+	1pc
AC adapter	ADC-18	1pc
AC power cord	ACC-XX XX=14 (JP/US),15 (EU),16 (UK),17 (AU)	1pc
Carrying case	CC-30	1pc
Spare electrodes	ELCT2-20A	1pair
Instruction manual CD	M-70+(Instruction Manual and PC software)	1pc
Quick reference guide	Q-70S+/19S+	1pc
Warning and cautions	W-70-E	1pc
USB cable	USB-01	1pc
Sleeve loader	SL-01	1pc
Alcohol pot	AP-01	1pc
Screw driver	SD-01	1pc

## STANDARD PACKAGE



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## Fujikura Ltd.

1-5-1, Kiba, Koto-ku, Tokyo 135-8512, Japan  
Phone:+81-3-5606-1164 Fax:+81-3-5606-1534 <http://www.fujikura.com>

## Fujikura Asia Ltd.

438A Alexandra Road, Block A Alexandra Technopark #08-03 Singapore 119967  
Phone:+65-6-278-8955 Fax:+65-6-278-0965 <http://www.fujikura.com.sg>

## Fujikura Europe Ltd.

C51 Barwell Business Park, Leatherhead Road, Chessington, Surrey KT9 2NY, UK  
Phone:+44-20+8240-2000 Fax:+44-20-8240-2010 <http://www.fujikura.co.uk>

## AFL

260, Parkway East, Duncan, SC29334, USA  
Phone:+1-800-235-3423 Fax:+1-800-926-0007 <http://www.aflglobal.com>

## Fujikura (China) Co., Ltd.

7th Floor, Shanghai Hang Seng Bank Tower, 1000 Lujiazui Ring Road, Pudong New Area, Shanghai, 200120 CHINA  
Phone:+86-21-6841-3636 FAX +86-21-6841-2070

## The most robust cleaver



Fiber Cleaver

# Fujikura CT50



- Applicable for up to 12-fiber cleaving
- Automatic cleaving blade rotation via wireless communication
- User replaceable fiber clamps and cleaving blade
- Blade life up to 60,000 cleaves
- Wide lever opening angle allows easy fiber placement
- Single-action operation including fiber scrap collection





# Fujikura CT50

## SPECIFICATIONS

Description	CT50	
Applicable optical fiber	Silica optical fiber	
Fiber count	Up to 12	
Cladding diameter	125 μm	
Coating diameter	160 to 900μm 2 to 3mm cord and drop cable	
Cleaving length	AD-50	5mm to 20mm (coating diameter =250μm) 10mm to 20mm (coating diameter > 250μm)
	Fiber holder	10mm (from the edge of FH:13mm)
Cleaving angle*1	Single fiber: Typical 0.7 degrees 12 ribbon fibers: Typical 1.0 degrees	
Blade life	Typical 60,000 fibers (1,250 fibers x 3 heights x 16 positions)	
Wireless connectivity	Bluetooth® 4.1 LE*2	
Power supply	AAA (LR03) dry battery: 2pc	
Dimensions	120(W) x 95(D) x 58(H)mm	
Weight	300g	
Operation condition	0 to 95% RH and 0 to 40°C (non-dew)	
Storage condition	0 to 95% RH and -40 to 80°C (non-dew)	
Resistance features*3	Shock: 76cm (30inch) all directions drop	
	Dust resistance: Exposure to dust (0.1 to 500μm dia. Alumina Silicate)	
	Rain resistance: H=10mm/hr for 10min	

- \*1 The optical fiber type, the blade condition or the operating environment may affect the cleaving angle.  
Since the measuring device has been changed from an interference microscope to a fusion splicer, this specification value is now higher than that of the previous model (CT-30).
- \*2 The Bluetooth wireless connection of this product is not guaranteed to work with all smartphones or other devices.
- \*3 The shock resistance test does not guarantee the product will not be damaged under these conditions.
- Bluetooth® and Bluetooth logo is a registered trademark of Bluetooth SIG, Inc.



## STANDARD PACKAGE

Description	Model No.	Qty.
Fiber plate	AD-50	1pc
Spacer	SPA-CT08-10	1pc
Carrying case	CC-37	1pc
Hexagonal wrench	HEX-01	1pc
Instruction manual	M-CT50-E	1pc

## OPTIONAL ITEMS

Description	Model No.
Blade	CB-08
Arm set	ARM-CT50-01
Dust box	FDB-05
Blade rotary wheel	BRW-CT08-01
Side cover	SC-CT50-01

## STANDARD PACKAGE



## OPTIONAL ITEMS



## FIBER HOLDERS

Description	Model No.
Applicable fiber holder	FH-50-xxx
	FH-60-xxx
	FH-100-xxx



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Phone:+86-21-6841-3636 FAX +86-21-6841-2070