

# Fujikura 41S

NEW

## Core Sense Splicer



Single Fiber Fusion Splicer

# Fujikura 41S

Active V-groove Alignment



- Core loss estimation function
- Touch panel with easy operation
- Bluetooth Connection Capability
- Multi-functional carrying case with integrated work station



 **Fujikura**

# Fujikura 41S

## SPECIFICATIONS

Applicable fiber	Single / SMF(G.652/657), MMF(G.651), DSF(G.653), NZDSF(G.655)
Cladding dia. / Sheath dia.	125 μm / Up to 3mm with sheathclamp
Cleave length	5mm to 16mm with sheathclamp
Splice mode / heating mode	Total 100 splice modes / 30 heating modes
Typical splice loss*1	0.03dB (SM), 0.01dB(MM), 0.05dB(DS) and 0.05dB(NZDS)
Return loss	>>60dB
Typical splice time	6sec SM FAST, 9sec SM AUTO
Typical tube heating time	24sec FP-03, coating dia.250μm 25sec FP-03 ,coating dia.900μm 19sec Slim60mm, coating dia.250μm 16sec Slim40mm, coating dia.250μm
Splice result storage	Last 10,000 splices
Viewing methods / magnification	2 axis 2CMOS camera with 5.0" color LCD. 132X magnification.200X magnification after splicing
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-11
Electrode life	Typical 5000 splices
Wireless connectivity	Wireless technical standard : Bluetooth®4.1LE*3
Size / weight	131W x 201D x 79H mm / 1300g (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 feature*5	Shock resistance : 76cm (30inch) bottom surface drop Dust resistance : Exposure to dust ( 0.1 to 500μm dia. Alumina Silicate) ,IP5X Rain resistance : H=10mm/hr for 10min ,IPX2
Other features	PC software upgrade / data management
Terminals	USB 2.0 (Mini-B Type) connector for PC communication, USB 2.0(host)

\*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 communication may not function properly to certain 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.



## STANDARD PACKAGE

Description	Model No.	Q'ty
Fusion splicer	41S with BTR-11, ELCT2-16B and CLAMP-S31A	1pc
Set plate	SP-31	1pair
AC adapter	ADC-19A	1pc
AC power cord	ACC-XX XX=08(JP),09(US),10(UK),11(EU),12(AU)	1pc
Carrying case	CC-36	1pc
Spare electrodes	ELCT2-16B	1pair
Instruction manual	M-41	1pc
Quick reference guide	Q-41S-E	1pc
Alcohol pot	AP-02	1pc

## OPTIONAL ITEMS

Description	Model No.
Fiber holder	FH-60-250 (coating dia. of 250μm)
	FH-60-900 (coating dia. of 900μm)
	FH-60-DC250 (coating dia. of 250μm in drop cable)
	FH-FC-20 (coating dia. of 900μm in 2.0mm Sheath dia.)
	FH-FC-30 (coating dia. of 900μm in 3.0mm Sheath dia.)
Sheathclamp	CLAMP-S31A (included in standard package)
	CLAMP-S31B (900μm dia. loose buffer fiber)
Battery pack*6	BTR-11 (Li-ion)*6
Electrodes	ELCT2-16B

\*6:Please be aware the IATA regulation in case of shipping by air

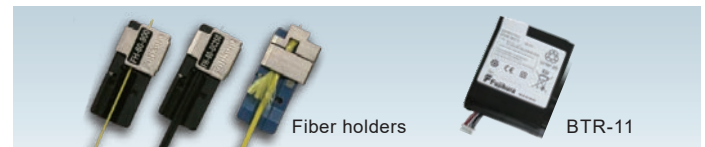
## ACCESSORIES

Description	Model No.
Single fiber cleaver	CT08 (for single fiber)
Fiber cleaver	CT50 (for single to 12 ribbon fibers)
Single fiber stripper	SS01
Ribbon fiber stripper	RS03
Protection sleeve	FP-03 / FP-03 (L=40) and FPS01series

## STANDARD PACKAGE



## OPTIONAL ITEMS



Please visit our web site!

<https://www.fusionsplicer.fujikura.com>



Facebook

<https://www.facebook.com/FujikuraFusionSplicers>



twitter

<https://twitter.com/fujikurasplicer>

Specifications and descriptions are subject to change without prior notice. ©2018 Fujikura Ltd.

## 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