



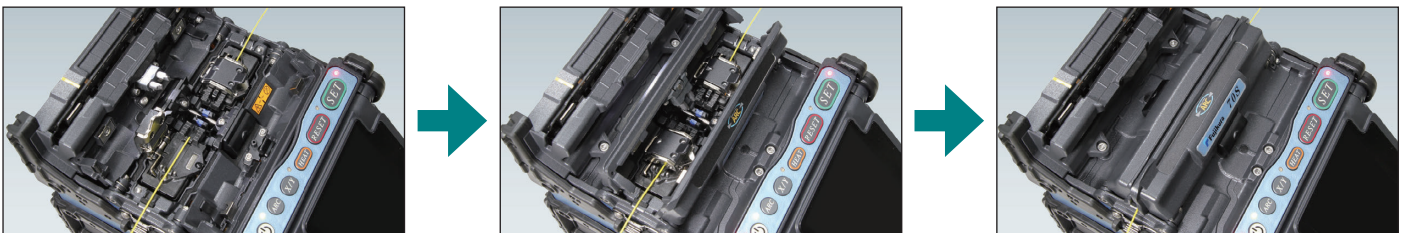
# Fujikura 70S

Single Fibre Fusion Splicer



The 70S is the latest addition to Fujikura's fusion splicer range and has been specifically designed to be more ergonomic, faster and have greater durability than the 60S, reducing splicing time to just seven seconds.

The rugged construction design adds improved reliability by resisting shock, rain and dust, allowing it to withstand a 762mm (30") drop test. Two of the newest features include an automated wind protector and a tube heater which has been developed for quicker splicing cycles and to reduce the number of operational steps. The unit also includes a high-resolution LCD monitor, powerful Li-ion battery for longer operation time and built in videos for on-the-go training.



## Features & Benefits

- 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.



## Specifications

<b>Applicable fibres</b>	Single / SMF (G.652/657), MMF (G.651), DSF (G.653), NZDSF (G.655)
<b>Cladding dia. / Sheath dia.</b>	80-150µm / 100-3000µm
<b>Cleave length</b>	5mm to 16mm with sheath clamp
<b>Splice mode / heating mode</b>	Total 100 splice modes / 30 heating modes
<b>Splice loss</b>	0.02dB (SM), 0.01dB (MM), 0.04dB (DSF) and 0.04dB (NZDS) Measured by cut-back method relevant to ITU-T and IEC standards.
<b>Attenuation splice function</b>	Intentional high splice loss of 0.1dB to 15dB (0.1dB step) can be made for an in-line fixed attenuator.
<b>Splice time</b>	Typical 6sec ULTRA FAST Typical 7sec SM FAST, Typical 10sec SM AUTO
<b>Tube heating time</b>	Typical 13sec FP-03, coating dia.250µm Typical 14sec FP-03, coating dia.900µm Typical 9sec Slim 60mm, coating dia.250µm
<b>Splice result storage</b>	Last 20,000 splices
<b>Viewing methods / magnification</b>	2 axis CMOS camera with 4.73" color LCD. X / Y (320X magnification), or both X and Y simultaneously (200X magnification)
<b>Tension test</b>	1.96 to 2.25N
<b>Applicable protection sleeve</b>	60mm, 40mm and Fujikura micro sleeves
<b>No. of splice / heating per battery full charge*1</b>	Typical 200 cycles with BTR-09
<b>Electrode life</b>	5000 splices
<b>Size / weight</b>	146W x 159D x 150H (mm) / 2.8kg (including battery)
<b>Operating condition</b>	Altitude : 0 to 5,000m above sea level, Wind : 15m/sec Temperature : -10 to 50deg C, Humidity : 0 to 95%RH, non-dew
<b>Resistance features*2</b>	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
<b>Other features</b>	PC software upgrade / data management
<b>Terminals</b>	USB 2.0 (Mini-B type) connector for PC communication. 6-pin Mini-DIN connector for HJS-02 or HJS-03 power supply.

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

\*2: Carried out in Fujikura labs in Japan. The shock, dust and rain resistance test do not guarantee the product will not be damaged under these conditions.

## Accessories

Description	Model No.
High precision single fibre cleaver	CT-06 (for single fibre)
High precision fibre cleaver	CT-30 series (for single to 12 ribbon fibres)
Primary coat stripper	PS-02
Nylon jacket stripper	JS-01
Thermal jacket stripper	HJS-02, HJS-03
Protection sleeve	FP-03 / 03 (L=40) and FPS01series

## Standard Package

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