



# 33S FTTH SPLICER

Portable Splicing Machine

- *Simultaneous fiber stripping*
- *Simultaneous fiber cleaving*
- *Simultaneous fiber setting*
- *Removable battery*
- *Light Weight*
- *Handy Splicer*
- *Movable Touch LCD monitor*

# Fujikura 33S

## Single Fiber Fusion Splicer

Active V-Groove Alignment

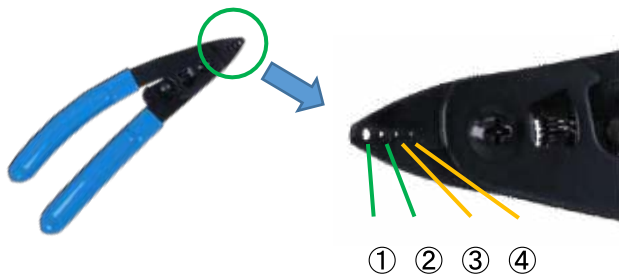
# Faster operation

## ■ Simultaneous fiber preparation

Fiber preparation, stripping, cleaving, and setting in the splicer usually needs repeating separately for both left and right-side fibers. The 33S process does away with that and enables simultaneous fiber preparation thanks to the new SS05 double fiber stripper, the new AD-16A fiber adapter for the CT16 cleaver and the clever set plate mechanism of the 33S itself.

### ● Simultaneous fiber stripping

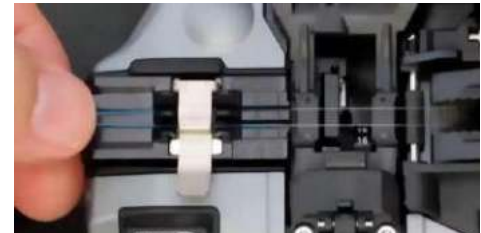
The SS05 fiber stripper is equipped with four blades: ① for 2mm/3mm, ② for 900μm, ③④ for 250μm fibers. Using blades ③ & ④ allows simultaneous stripping of 250μm fibers.



Fiber Stripper SS05

### ● Simultaneous fiber cleaving

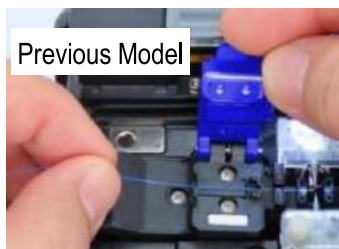
The new AD-16A fiber adapter for the CT16 cleaver is equipped with two grooves. Placing one fiber in each groove provides simultaneous cleaving.



Optical Fiber Cleaver CT16

### ● Simultaneous fiber setting

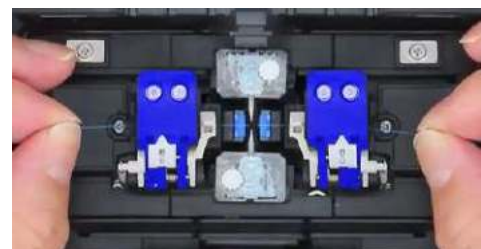
Previous fusion splicers required two-handed operation to close fiber clamp and hold the fiber. Thanks to a new clamp mechanism, the 33S close with fiber setting and provides one-handed fiber setting and simultaneous fiber setting.



Previous Model



33S



## ■ Faster heating time

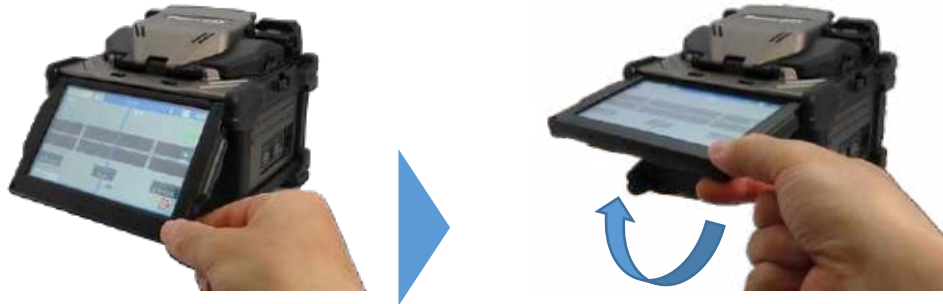
The heater for shrinking the reinforcing sleeve is designed to heat the reinforcing sleeve between two heaters in the front and rear. It shortens 15% of the heating time in case of using FP-03 sleeve.



# User-friendly design

## ■ Movable LCD monitor

The 33S is equipped with a movable 4.95-inch color LCD monitor to ensure optimum visibility in a range of conditions, even when outside under direct sunlight.



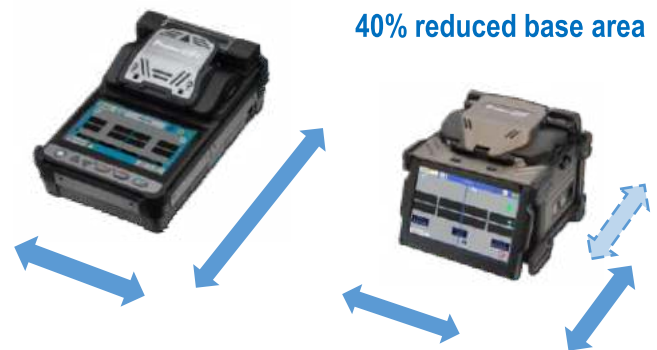
## ■ Removable battery

The removable battery makes replacement easy and convenient.



## ■ Smaller footprint

The cube shape provides a reduced base area while also giving the user a large operating space.



## ■ Faster fiber transportation time

The 43S is equipped with a mechanism linking the wind protector and fiber clamp so when you open wind protector, the fiber clamps opens automatically.

The 43S is also equipped with retention clamps which are reputed by our conventional fusion splicer models. The retention clamps prevent the fiber from jumping out after the fiber clamps are opened. These mechanisms work in tandem to provide easy fiber handling and a reduction in the time it takes to transfer the fiber to the heater.



## ■ Carrying Case cc-44

The configurable 33S carrying case provides various usage configurations.





## 33S Specifications

Item		Specification
Fiber alignment method		Active clad alignment
Fiber count can be spliced		Single fiber
Applicable fiber	Fiber type	Single mode optical fiber
	Cladding dia.	Multi mode optical fiber
Applicable coating	Sheath clamp	Approx.125µm
		Coating dia. : Max. 3000µm
Fiber splice performance	Splice loss *2	Cleave length : 5 to 16mm *1
		ITU-T G.652 : Avg. 0.03dB
		ITU-T G.651 : Avg. 0.01dB
		ITU-T G.653 : Avg. 0.05dB
	Splice time *3	ITU-T G.655 : Avg. 0.05dB
ITU-T G.657 : Avg. 0.03dB		
Applicable Protection sleeve	Sleeve type	SM FAST mode : Avg. 6 to 7sec.
	Sleeve length	Heat shrinkable sleeve
	Sleeve dia.	Max. 66mm
Sleeve heat performance	Heat time *4	Max. 6.0mm before shrinking
		60mm mode : Avg. 15 to 22sec.
Fiber tensile test force		60mm slim mode : Avg. 15 to 17sec.
Electrode life *5		Approx. 2.0N
Physical description	Dimensions W	Approx. 6,000 splices
	Dimensions D	Approx.131mm without projection
	Dimensions H	Approx.123mm without projection
	Weight	Approx.121mm without projection
Environmental condition	Temperature	Approx. 1.4kg including battery
		Operate: -10 to 50 °C
	Humidity	Storage: -40 to 80 °C
		Altitude
AC adaptor	Input	Storage: 0 to 95%RH non-condensing
Battery pack	Type	Max. 5000m
	Output	AC100 to 240V, 50/60Hz, Max. 1A
	Capacity *6	Rechargeable Lithium Ion
		Approx. DC14.4V, 3190mAh
	Temperature	60mm mode: Approx. 200 splice and heat cycles
		60mm slim mode : Approx. 230 splice and heat cycles
Battery life *7	Recharge: 0 to 40 °C	
Display	LCD monitor	Long Term Storage : -20 to 30 °C
	Magnification	Approx. 500 recharge cycles
Illumination	V-grooves	TFT 4.95 inches with touch screen
Interface	PC	Approx. 132 to 300x
	External LED lamp	LED lamp
Data storage	Splice mode	USB2.0 Mini B type
	Heat mode	USB2.0 A type
	Splice result	Approx. DC5V, 500mA
	Splice image	100 splice modes
Screw hole for tripod		30 heat modes
Other features	Reference guide	20,000 splices
	Sheath clamp	100 images
		Electrode
		Close with fiber setting
		Easy sleeve positioning clamp
		Replaceable without tool

## 33S Standard package

Item	Model	Qty
Clad Alignment Fusion Splicer	33S	1 pc
(1) Battery Pack *	BTR-17	1 pc
(2) AC Adapter	ADC-21	1 pc
(3) AC Power Cord	ACC-08, 09, 10, 11 or 12	1 pc
(4) USB Cable	USB-01	1 pc
(5) Electrodes, for spare	ELCT2-16B	1 pair
(6) Carrying Case	CC-44	1 pc
(7) PC Setting Guide	SG-09-E	1 pc
(8) Warning and Cautions	WAC-02-E	1 pc
(9) Splice Test Report		1 pc
(10) Instructional Manual	M-CT16-E	1 pc
(11) Quick Reference Guide	QRG-08-E, C or J	1 pc
Single Fiber Stripper	SS05	1 pc
Optical Fiber Cleaver	CT16	1 pc
(1) Fiber Scrap Collector	FBD-06	1 pc
(2) Fiber Setting Plate	AD-16A	1 pc
(3) Hexagonal Wrench	HEX-01	1 pc

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

## 33S Options

Item	Model	Remarks
Fiber Holder	FH-70-200	200µm coating diameter
	FH-70-250	250µm coating diameter
	FH-70-900	900µm coating diameter
	FH-FC-20	900µm in 2mm diameter cable
	FH-FC-30	900µm in 3mm diameter cable
Sheath Clamp	CLAMP-S35B	900µm loose buffer cable
Fiber holder set plate	SP-04	Fiber holder set base
Transfer Clamp	CLAMP-DC-12	Transferring drop cable on work tray
Protection sleeve	FP-03	60mm, Max. 900µm coating diameter
	FP-03(L=40)	40mm, Max. 900µm coating diameter

