



SWIFT S3

Core to Core Alignment



Swift S3 is a typical fusion splicer of core-to-core alignment for every splicing purposed like medium and long range optical circuit, LAN, CATV, FTTx with least loss. With compact, light, rugged design and long-life battery, it delivers high precision performance. Furthermore, 4.3-inch color monitor with touch screen offers users more convenient and efficient working process.

Benefits and Features

■ IPAAS Technology Basis Core Alignment

- Swift-S3 is the core alignment splicer based on IPAAS (Image Pattern Analysis Alignment System) Technology

■ Compact, Lightweight and Fast

- This splicer is one of the smallest, lightest and fastest among all the existing core alignment splicers

■ Resistance to Shock, Dust and Water

- The splicer with high reliability has stable performance even in a harsh environment

■ 4.3-inch Color LCD Monitor with Touch Screen & Bidirectional Operation System

- Magnification : 300X, 187X (Zoom 700X)
 - For user's convenience, LCD monitor has been designed with touch screen in addition to the operation keys.

■ Equipped with Sleeve Loader to Prevent Contamination and to Provide Convenience

■ Built-in Dual Sleeve Heater

■ Auto-Calibration

- Detects the surrounding environment of temperature, humidity, air pressure and measures discharge calibration rate automatically

■ Compatible with Fusion Splice-On Connector(SOC) in accordance with the Industrial Standard

- Through Multi-pack F, Swift Connector can be assembled easily.

Specification

CATEGORY	DESCRIPTION
Fiber alignment	IPAAS core to core alignment (Image pattern analysis alignment system)
Applicable type of fibers	SM (ITU-T G.652), MM (ITU-T G.651), DS (ITU-T G.653), NZDS (ITU-T G.655) EDFA, E1980, Splicing available with different type fiber (SM/MM), ITU-T G.657
Fiber count	Single fiber
Applicable fiber dimensions	Cladding diameter: 80 ~ 150 μ m, Coating diameter: 100 ~ 1000 μ m
Fiber setting and cleaved length	250 μ m: 8~16mm, 900 μ m: 16mm(Application holder: 8mm)
Splicing modes	Splice mode: 100, Heat mode: 50
Typical splice Loss	SMF: 0.02dB, MMF: 0.01dB, DSF: 0.04dB, NZDSF: 0.04dB
Return loss	> 60dB
Splicing time	Splice: Typical 9sec
Splice loss estimate	Available
Sleeve heating time	30sec, 90sec(Connector)
Applicable protection sleeve	40mm, 60mm (Fiber), 28mm or 32mm(Connector)
Storage of splice result	The last 9,000 results to be stored in the internal memory. (Image 9,000 results)
Tension test	2N / 4,4N(Optional)
Operating condition	Altitude: 0~5,000m above sea level, Temperature: -10 $^{\circ}$ C~50 $^{\circ}$ C, Humidity: 0~95%, Wind: 15m/s, non-condensing, dust proof, water proof, shock proof
Storage condition	Temperature: -40 $^{\circ}$ C~80 $^{\circ}$ C, Humidity: 0~95%
Dimension	142(W) x 163(L) x 146(H)mm(Including rubber)
Weight	2.0kg(Including battery 2.5kg)
Viewing method and display	Two CMOS cameras and 4.3-inch color LCD monitor with touch screen
Fiber view and magnification	X or Y view: 300X, X and Y view: 300X, 187X(Zoom 700X)
Power supply	DC Lithium polymer battery(DC 14.8V, 6000mAh), 100~240V AC Adapter
No. of splice cycles with battery	250cycle
Electrode life	More than 3,000 times
Terminals	USB, RCA, External Power(DC 12V Available for car cigar jack)

Standard Package

CATEGORY	MODEL	Q'ty
Arc Fusion Splicer	S3	1
AC Adapter	S311	1
Sleeve Loader	S312	2
Spare Electrode	EI-21	1 pair
Battery Pack	S313	1
Alcohol Dispenser	-	1
Cooling Tray	CT-03	1
Holder	HS-X	1 pair
Tool Box	-	1
User Manual	-	1
Carrying Case	Hard Case	1

Option Package

CATEGORY	MODEL
Battery Pack	S313
Fiber Cleaver	CS-03A
Cleaver Blade	BI-05
Fiber Optic Stripper	CFS-2
Electrode	EI-21
Fiber Holder	HS-250, HS-900, HS-2.5, HS-IN, HS-SC, HS-FC, HS-LC, HS-ST
Sleeve	S-160(60mm), S-140(40mm)
Sleeving Clamp	SC-01
Manual Stripper (Connector)	MS-01
SOC Connector	SC, LC, FC, ST(Refer to FTTx Solution catalogue)

* Design and specifications are subject to change without notice.

