

# SPECIFICATIONS

Subject	Description
Fiber alignment	IPAS 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, EI980, Splicing available with different type fiber(SM/MM), ITU-T G.657
Fiber count	Single fiber
Applicable fiber dimensions	Cladding diameter: 80 ~ 150 $\mu$ m, Coating diameter: 100 ~ 1000 $\mu$ m
Fiber setting and cleaved length	250 $\mu$ m: 8~16mm, 900 $\mu$ 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, Tube heat: Typical 20 ~ 26sec with S-160(60mm) Tube
Splice loss estimate	Available
Sleeve heating time	35sec
Applicable protection sleeve	45mm, 60mm(fiber), 28mm or 32mm(connector)
Storage of splice result	The last 2,000 results to be stored in the internal memory.(Image 100 results)
Tension test	2N / 4,4N(Option)
Operating condition	Altitude: 0~3,660m 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%
Dimensions	140(W) $\times$ 225(L) $\times$ 125(H)mm(Include monitor, rubber)
Weight	2.3kg(Include battery)
Viewing method and display	Two CMOS cameras and 3.5" color LCD monitor with touch panel
Fiber view and magnification	X/Y : 300X/170X
Power supply	DC 14.8V Battery(7,700mAh), 100 ~ 240V AC Adapter
No. of splice cycles with battery	320cycle, Lithium polymer battery
Electrode life	More than 2,000 times splicing without exchange
Terminals	USB, RCA, External Power(DC 12V Available for car cigar jack)

## STANDARD PACKAGE

Description	Model	Q'ty
Arc Fusion Splicer	S5	1
AC Adapter	S311	1
Sleeve Loader	S312	2
Spare Electrodes	EI-21	1set
Battery Pack	S513	1
Cooling Tray	CT-03	1
Holder	HS-?	Option 1set(2ea)
Tool Box		1
User Manual		1
Carrying Case	Hard Case	1

## OPTION PACKAGE

Description	Model
Battery Pack	S513
Cleaver Blade	BI-05
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	MS-01
SOC Connector	SC, LC, FC, ST Refer to SOC Catalog

## STANDARD PACKAGE

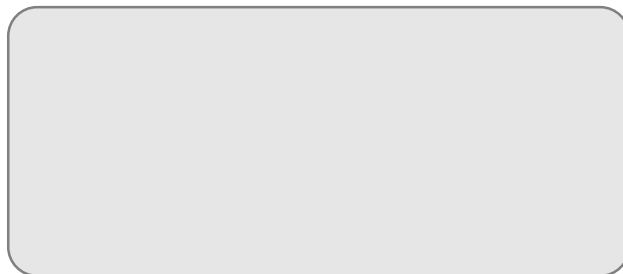



## OPTION PACKAGE





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# Core Alignment All In One Fusion Splicer

Single Optical Fiber Fusion Splicer

US Patent 11/912,109

## Swift-S5

### The Revolution of a Splicer

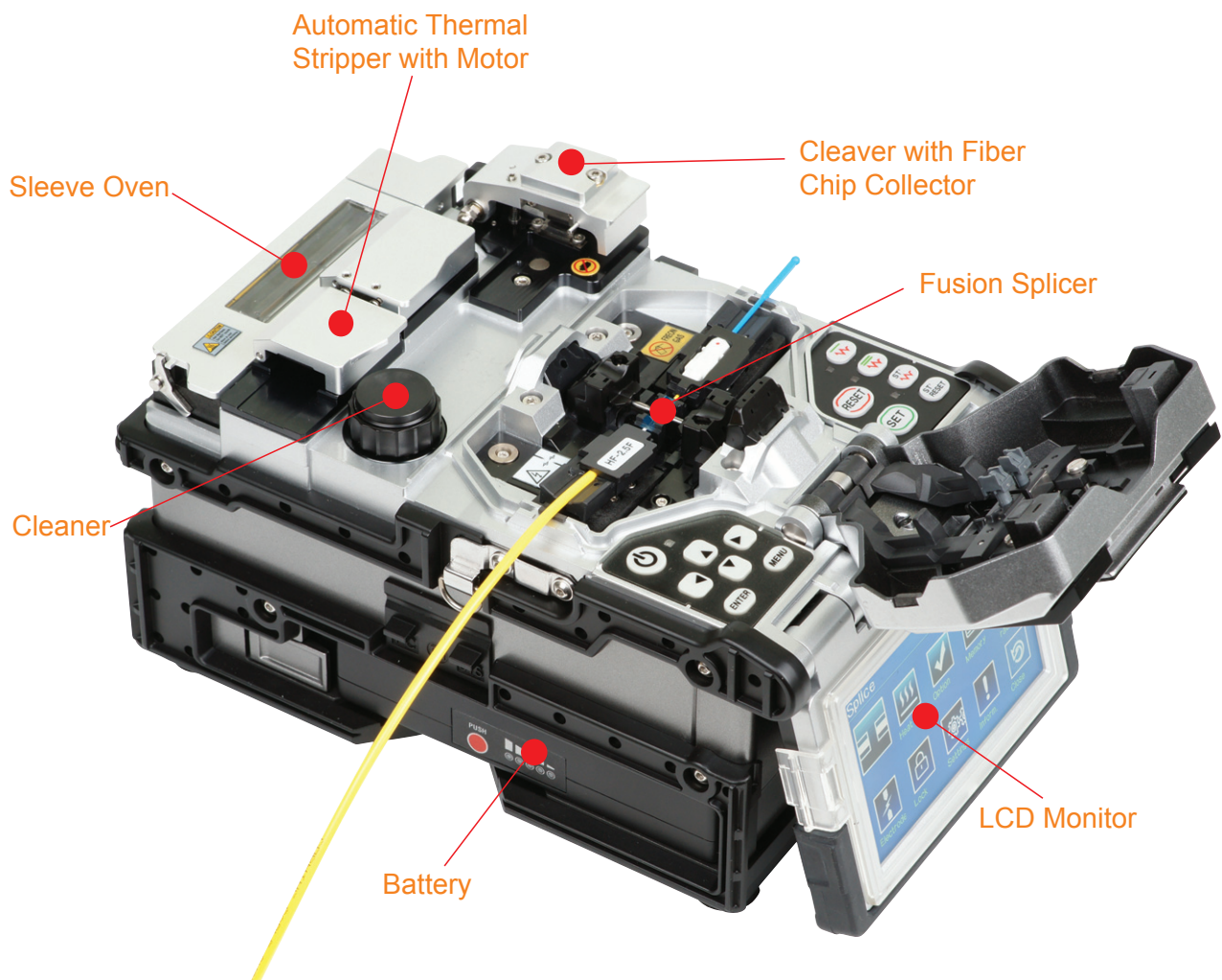


### Features

- ◉ Integrated to All In One
- ◉ Ruggedized Design Against Shock, Dust, Rain
- ◉ Long Battery Life more than 320times Full-Cycles
- ◉ Dual Sleeve Heater
- ◉ No Scratches on Bare Fiber by Heating Stripping
- ◉ Navigational Touch Screen with 4.3 Color Monitor
- ◉ Attached Sleeve Loader
- ◉ Compatible for SOC Connector (Option)

# Swift-S5

The Swift S5's ergonomic design enables the user to complete all five processes of optical fiber splicing (stripping, cleaning, cleaving, splicing and sleeving) quickly and conveniently. The All-In-One design eliminates the need for a large work space of a traditional fusion splicer design that uses all of the prep tools (manual stripper, cleaver, alcohol bottle) separately. Also, the automatic thermal stripper conveniently strips 250um and 900um without scratching the fiber that is typical when using hand held mechanical fiber strippers. This, in turn, reduces the chances of failure that may be caused by the scratches introduced when using mechanical strippers.



## Benefits and Features

# Swift-S5



### Over 5kg/f Tensile Strength of Fiber after Stripping

- No scratches with heating stripping
- Over one-million cycle motorized
- Strip time : 1.5sec



### Cleaning

- One-touch pump type
- Easy to refill cleaning alcohol



### Cleaving

- Single-action cleaving
- Fiber chip collector is attached



### Resistant Shock, Dust and Rain

- Most reliable and most stable fusion splicer against hard environmental conditions such dust, shock, rain
- Shock - Free Fall : 76cm from 5 sides
- Waterproof : IPx2
- Dustproof : IPx5



### Powerful Lithium Polymer Battery with Large Capacity

- More than 320 times for full cycling of splicing and sleeving when fully charged.



### Automatic Arranging ARC.

- Detects the temperature, the humidity, the pressure for automatically to calibrate the ARC discharge properly.

# Swift-S5

## Benefits and Features

### 4.3 inch color monitor with touch panel.

- Magnification : 300X, 170X
- User-friendly and ergonomically designed by navigational touch screen.

### Bi-directional operational system

- The monitor can be viewed bi-directionally for user's preference.

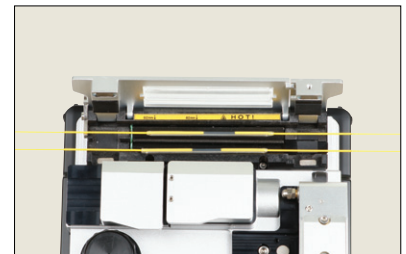
### Equipped with Sleeve Loader to Prevent Contamination and Provide Convenience

- Prevents contaminating sleeve in manhole and also prevents sleeve from falling when splicing in the air.

### Built-in Dual Sleeve Heaters

- Users can work continually without interruption to increase the efficiency up to 30%

### Compatible for SOC Connector Telcordia-GR-326 Compatible



SC Connector-APC, UPC

LC Connector-APC, UPC

FC Connector-APC, UPC

ST Connector-APC, UPC

Refer to Swift SOC Catalog



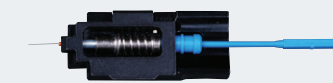
SC Connector



LC Connector



FC Connector



ST Connector

