

All-in-One Core Alignment Fusion Splicer

Swift-S5

A Revolutionary Splicer



Key Features

- Integrated All-In-One
- Integrates stripper, cleaver, liquid dispenser, splicer and heater
- Resistant to Shock, Rain and Dust
- Over 320 cycles when battery operated
- Dual Sleeve Heater
- Automatic Discharge Calibration
- Core Alignment by IPAS Technology
- Designed for field-terminated connectors
- 4.3 Color LCD Monitor with Touch Panel
- Bidirectional Operation System
- Attached Sleeve Loader
- Attached Night Light
- ROHS Compliant



Product Overview

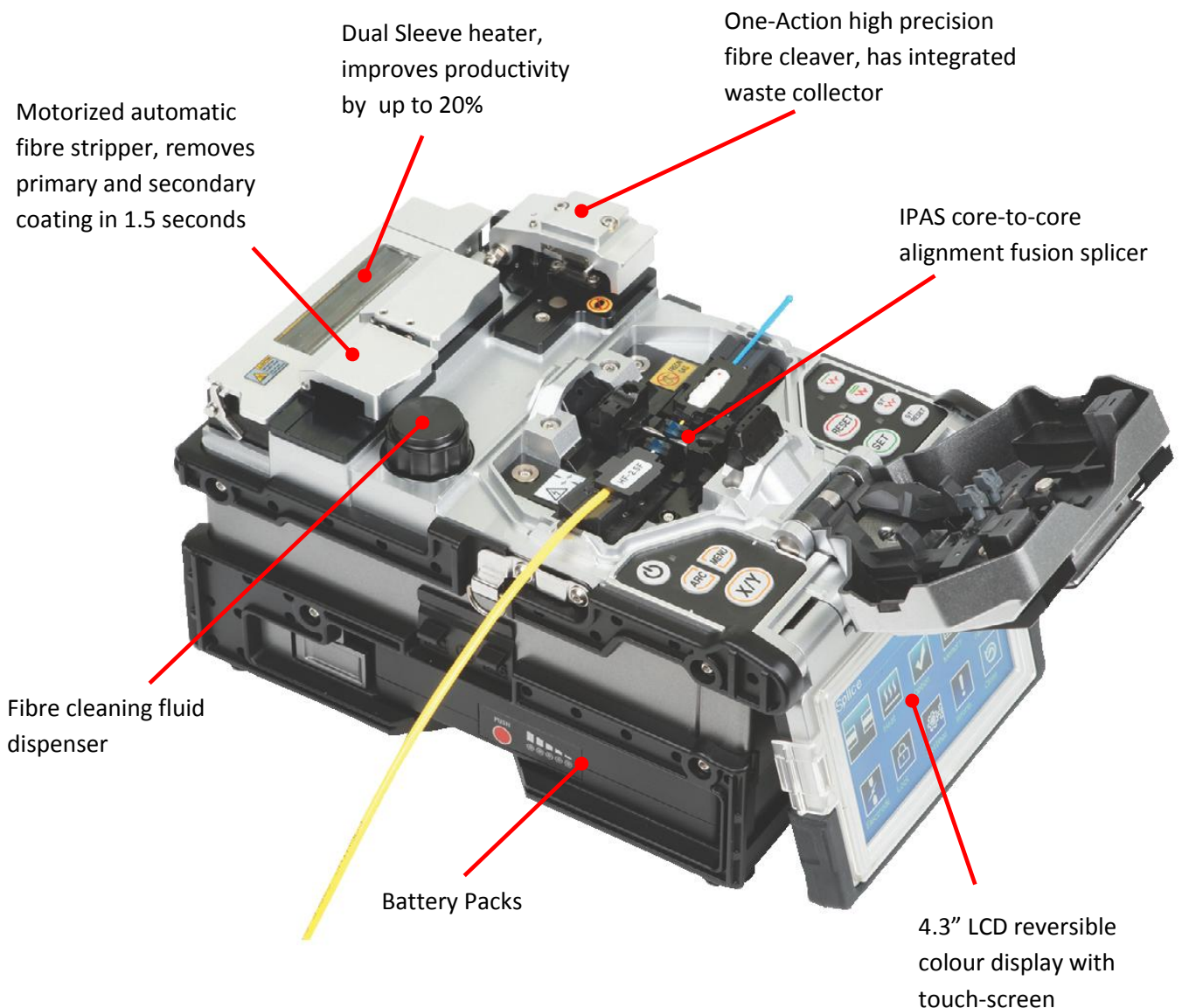
Swift-S5

Swift-S5 is much more than a high performance splicing machine.

It's a complete workstation specifically designed to perform the full splicing process efficiently and effectively.

- Automatic fibre stripper, in addition to improving overall splicing operation time, highly reduces failure risks due to invisible fibre cracks when manual stripping is operated.
- Fluid dispenser provides handy access of cleaning fluid.
- High precision fibre cleaver, single action type, minimizes risks of damaging fibre due to handling
- IPAS core alignment splicer provides fast and high precision fusion splices
- Dual sleeve heater improves productivity up to 20% by parallelizing operations

Whether you use Swift-S5 for daily fibre splicing operation, or you take advantage of Swift field terminated connectors, Swift-S5 will never let you down.



Swift-S5

Benefits and Features



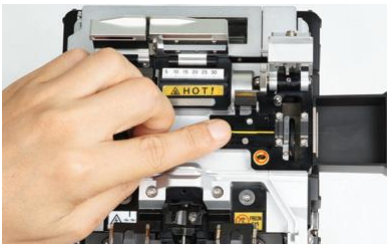
Stripping

Automatically removes primary (250µm) and secondary (900 µm) coating in one single operation
1.5 seconds operation time, over 1m cycles life
No damage or cracks, fibre tensile strength greater than 5kg after stripping



Cleaning

One touch pump type
Easy to refill, no leaks



Cleaving

Single-action precision cleaving
Oil damped system
Waste fibre collector



Dust, Shock and Rain Resistant

Highly reliable, will work in even harsher environmental conditions



Large Capacity Lithium Polymer Battery

Over 320 full cycles (splicing + heating) battery life



Automatic Arc Discharge Calibration

Automatically detects environmental parameters, such as temperature, humidity and air pressure, consequentially calibrating discharge rate

Benefits and Features

Swift-S5

4.3" Colour Display with Touch-Screen

Magnification : 300X, 170X

LCD display is equipped with a touch screen interface, in addition to standard operating buttons, enhancing ease of operation

Bi-Directional Display

Display screen can be flipped upwards and downwards to select best viewing option

Sleeve Loader Prevents Sleeve Contamination

Sleeve loader prevents sleeve from falling down during splicing operation. This feature has great benefit when operating in manholes (risk of contamination from dust or water) or on telephone poles.

Built-in Dual Sleeve Heaters

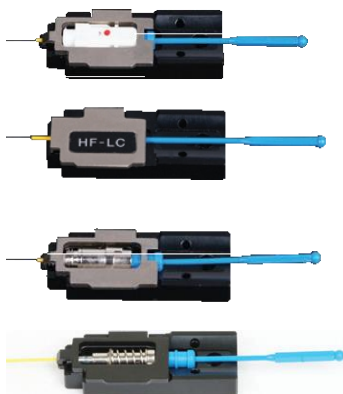
Dual sleeve heaters enhance productivity and efficiency by a factor of up to 20% by optimizing the overall splicing process.

Field Terminated Fusion Splice Connectors

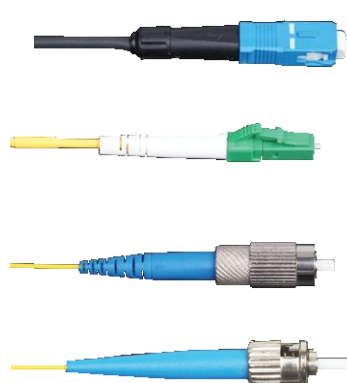
Telcordia GR326 compliant

See Specific Data Sheet
for Details

Connector ferrule



Finished connector



SC (UPC/APC) connector

LC (UPC/APC) connector

FC (UPC/APC) connector

ST (UPC) connector



Swift-S5 SPECIFICATIONS	
Subject	Description
Splicing technology	IPAS Core to Core Alignment (Image Pattern Analysis Alignment System)
Applicable fibres	SMF(ITU-T G.652), MMF(ITU-T G.651), DSF(ITU-T G.653), NZDSF(ITU-T G.655), EDFA, EI980, Splicing available with different fibre types (SM/MM), ITU-T G.657
Fibre diameter	cladding : 80~150 µm, coating : 100~1000 µm (single)
Fibre cleave length	250 µm (Coat) : 8 ~ 16mm; 900 µm: 16mm
Typical splice loss	SMF : 0.02dB, MMF : 0.01dB, DSF : 0.04dB, NZDSF : 0.04dB
Return loss	Less than -60 dB
Splice time (typical)	9sec
Heating time (typical)	26sec with S-160 (60mm) tube
Splice memory	Last 2.000 splices (last 100 images)
Operating altitude	0 ~ 5000m above sea level
Operating condition	-10 to 50 °C , 95% RH, non-condensing
Storage condition	-40 to 80 °C, 0 to 95% RH
Protection	Wind 15 m/s, shock proof, water proof, dust proof
Size	140W x 225L x 125H (including Display & Bumper)
Weight	2.95Kg (including battery pack)
External interfaces	USB, RCA, External Power
Power	DC 14.8V Battery (7700mAh), 100 ~ 240V _{AC} Adaptor
Additional power	DC 12V automobile power outlet available
Battery life	320 cycle (stripping + splicing + heating)
Electrodes life	Over 2,000 splices
Display	4.3 inches colour LCD monitor, with touch panel
Fibre view magnification	300x and 170x on both X,Y axis

Standard Package		
Description	Model	Q.ty
Splicer	S5	1
AC adapter	S311	1
Sleeve loader	S312	2
Spare electrodes	EI-21	2
Carrying case & user manual		1
Battery pack	S513	1

Options & Consumables	
Description	Model
Battery pack	S513
Electrodes	EI-21
Cleaver blade	BI-05
Protection sleeves	S-160 (60mm); S-140 (40mm)
Connectors and connector holders	Refer to Swift-F1 data sheet and catalogue



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