K33A

IPAAS Core Alignment

Patented

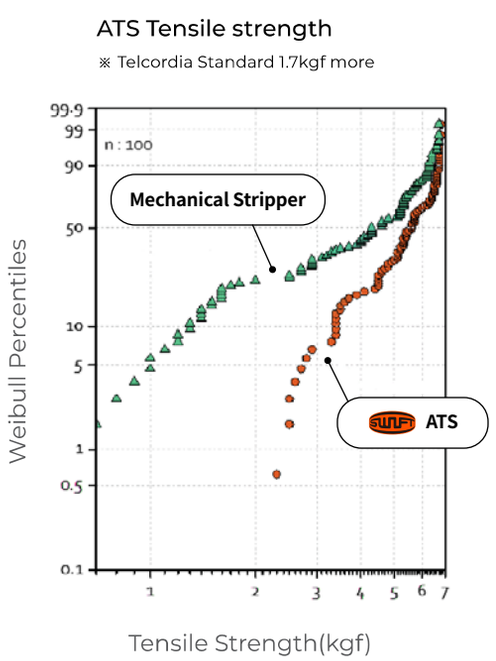
★★★★★

PREMIUM
FUSION SPLICER

★★★★★

ALL IN ONE

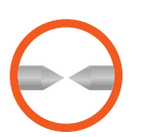
Patented



Features

- Remote maintenance via Internet.
- The fusion splicer with ALLINONE system provides the best workability.
  Integrated 5 functions in one unit.
  (Stripping, Cleaning, Cleaving, Splicing and Protecting)
- No scratches on fiber by thermal stripping.
  (Extended tensile of fiber strength by 2kgf more)
- Wide 5.0 inch color LCD monitor with Electrostatic touch screen
- Powerful lithium polymer battery with large capacity : 6,000mAh
- Resistance to Shock, Dust and Water.
- Compatible with Fusion Splice-On Connector(FSOC) in accordance with the Industrial Standard.
- Rotating blade allows up to 75,000 cleaves.

Patented



Electrode Life

Up to **18,000** splices

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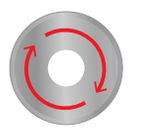

Rotating Blade Life

77,000 fibers + **33,000** fibers
(Adjust the blade height up to 0.12mm), Total **110,000** fibers

Specifications

CATEGORY	DESCRIPTION
Fiber alignment	IPAAS Core Alignment
Applicable fibers	SM(G.652), MM(G.651), DS(G.653), NZDS(G.655), SM(G.657 A1, A2/B2, B3), SM(G.654 E)
Fiber count	Single fiber
Applicable fiber dimensions	Cladding diameter: 80~150㎛, Coating diameter: 100㎛~3mm
Fiber cleave length	250㎛: 5~16mm, 900㎛: 8~16mm
Splicing modes	Splice mode: 300, Heat mode: 100, Strip mode: 50
Average splice Loss	SMF: 0.02dB, MMF: 0.01dB, DSF: 0.04dB, NZDSF: 0.04dB
Return loss	> 60dB
Splicing time	Typical 6 sec (Quick Mode)
Splice loss estimate	Available
Sleeve heating time	9 sec (IS-45 Sleeve, IS-45 mode), 13 sec (IS-60 Sleeve, IS-60 mode)
Applicable protection sleeve	40mm or 60mm (Fiber) / 28mm or 32mm (Connector)
Storage of splice result	The last 10,000 results to be stored in the internal memory. (Image 10,000 results)
Tension test	2N / 4.4N (Option)
Operating conditions	Altitude: 0~5,000m above sea level, Temperature: -10℃~50℃, Humidity: 0~95%, Wind: 15m/s, Non-condensing, Dust proof, Water proof, Shock proof
Storage conditions	Temperature: -40℃~80℃, Humidity: 0~95%
Dimensions	136(W) x 215(L) x 137(H)mm (Excluding rubber)
Weight	2.45kg (Including battery)
Viewing method and display	Two CMOS cameras and 5.0-inch color LCD monitor with Electrostatic touch screen
Fiber view and magnification	X/Y 200X, Max 670X
Power supply	100~240V
Battery life with heat-shrink	Typical 230 cycles (6,000mAh)
Electrode life	Up to 18,000 splices
Terminals	USB, External power(DC 12V available for car cigar jack)
Cleaver	CF-07FT
Cleaver blade life*	Max. 110,000 fibers

* Blade life may be changed under the condition of working environment.

Standard Package

CATEGORY	MODEL	Q'ty
Arc Fusion Splicer	SWIFT K33A	1
User guide	Download from UCLSwift Website	
Cooling Tray	-	1
Transporting Case	Hard Case	1
Battery	4,700mAh	1
AC Adapter	-	1
Tool box	-	1
Sleeve Loader	-	2

Optional Package

CATEGORY	MODEL
Battery	6,000mAh
Cleaver Blade	BI-07
Electrode	EI-23
External Power	DC 12V available for car cigar jack
Sleeve	S-160 (60mm), S-140 (40mm)
Sleeve Clamp	-
Optical Fiber Holder	HS-250, HS-900, HS-2.5F, HS-IN, HS-SC/FC, HS-ILC, HS-ST, LS-900(Loose tube)
SOC Connector	SC, LC, FC, ST (refer to FTTx solution catalogue)
Cleaver	CF-07FT
Wi-Fi Card	-

Design, standard/optional package and specification shown above are subject to change with or without notice.