

# KR12A Fusion Splicer

2x the Speed  
with Swift Ribbonizing and Splicing



## Product Description

UCL Swift's KR12A is a fusion splicer that supports remote maintenance via internet. It integrates five functions—stripping, cleaning, cleaving, splicing, and protecting—into a single unit, providing excellent workability through its ALL-IN-ONE system.

Thermal stripping leaves no scratches on the fiber and increases its tensile strength by 2 kgf. The device features a wide 5.0-inch color LCD monitor with electrostatic touch screen and a user-friendly GUI for intuitive operation. With a 6000mAh lithium polymer battery, KR12A resists shock, dust, and water for reliable field use.

## Related Products

Model	Description
RBSW-25AN	250µm Coated fiber Ribbonizing Aligner
RK-01	Ribbonizer
RBSW-PC-2025	200µm to 250µm pitch converter
MPO-10-KR12	MPO holder
IRS-01	Ribbon Splitter

## Features and Benefits

- 1 User-friendly GUI and bidirectional operating system provide intuitive control from either side of the unit.
- 2 5.0-inch electrostatic touch screen delivers fast response and clear visibility in various field environments.
- 3 Equipped with a high-capacity 6000mAh lithium polymer battery for long-lasting, stable performance.

## Patented



### Rotating Blade Life

**3,650** 12 ribbon fibers + **2,250** ribbon fibers  
Adjust the blade height up to 0.12mm,  
Total **6,200** ribbon fibers

## MPO Fusion Splice-on Connector



## Ribbonizing Tool



## Performance Specifications

General	<b>Fiber alignment</b> Ribbon	<b>Fiber count</b> Single fiber, 2~12 Ribbon fiber
	<b>Applicable type of fibers</b> SM(G.652), MM(G.651) DS(G.653), NZDS(G.655)	<b>Applicable fiber dimensions</b> Single: Cladding diameter 125µm, Coating diameter 250, 900µm Ribbon: Cladding diameter 125µm, Ribbon fiber thickness 0.25 to 0.40mm
	<b>Fiber cleave length</b> 10mm	<b>Storage of splice result</b> The last 10,000 results to be stored in the internal memory. (Image 10,000 results)
	<b>Tension test</b> 2N / 4.4N (Option)	<b>Applicable protection sleeve</b> 40mm, 60mm (Fiber)
Splicing Performance	<b>Splicing time</b> Typical 20 sec with standard SM (ITU-T G.652)	<b>Average splice loss</b> SM: 0.05dB, MM: 0.02dB, DS: 0.08dB, NZDS: 0.08dB
	<b>Return loss</b> >60dB	<b>Splicing modes</b> Splice mode: 300, Heat mode: 100, Strip mode: 50
	<b>Splice loss estimate</b> Available	<b>Sleeve heating time</b> 1~2 core 20 sec, 4~12 core 50 sec
Display & Viewing	<b>Fiber view and magnification</b> 20X, Max 60X	<b>Viewing method and display</b> Two CMOS cameras and 5.0-inch color LCD with electrostatic touchscreen
Power & Battery <small>* Blade life may be changed under the condition of working environment.</small>	<b>Power supply</b> 100~240V	<b>Battery life with heat-shrink</b> 125 cycles with 4,700mAh & 160 cycles with 6,000mAh
	<b>Electrode life</b> Up to 1,500 splices	<b>Terminals</b> USB, External power (DC 12V available for car cigar jack)
	<b>Cleaver</b> CM-03RT	<b>Cleaver blade life*</b> Max. 6,200 fibers
Environmental & Physical	<b>Operating condition</b> Altitude: 0~3,660m above sea level Temperature: -10°C~50°C Humidity: 0~95%, Wind: 15m/s Non-condensing, Dust proof, Water proof, Shock proof	<b>Storage condition</b> Temperature: -40°C~80°C, Humidity: 0~95%
		<b>Dimensions and weight</b> 136(W) x 215(L) x 132(H)mm (Excluding rubber) 2.3kg (Including battery)

## Standard Package

Category	Model	Q'ty
Arc Fusion Splicer	SWIFT KR12A	1
User Guide	Download: uclswift.com	-
Spare Electrode	EI-28	1 pair
Cooling Tray	-	1
Transporting Case	Hard Case	1
Battery	4,700mAh	1
AC Adapter	-	1
Fiber Holder	H7-Series	1 pair
Tool Box	-	1
USB Cable	-	1
Sleeve Loader	-	2

## Optional Package

Category	Model
Battery	6,000mAh
Cleaver Blade	BI-07
Electrode	EI-28
Sleeve	R-F40 (40mm)
Sleeve Clamp	-
External Power	DC 12V available for car cigar jack
Optical Fiber Holder	H7-4-10, H7-8-10, H7-12-10, H7-250-10, H7-900-10, H7-2.5-10, H7-IN-10, H7-2-10, H7-6-10, H7-10-10, MPO-10, KR7-12
Cleaver	CM-03RT
Ribbonizing Holder Kit	-
Ribbon Separator	-
Wifi-Card	-