


**NEW**

# K7

## Core to Core Alignment



### Benefits and Features

- Internet remote access maintenance
- Automatic G.657 fiber recognition
- Fastest splice time in industry: 6sec
- Fastest heat time in industry: 13sec
- User friendly GUI
- Core alignment by IPAAS technology
- 4.3-inch color LCD monitor with touch screen
- Fusion splice-on connector (SOC) compatible in accordance with the industrial standard



Shock



Water



Dust

## 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), ITU-T G.657
Auto-Recognized Fibers	SM(ITU-T G.652), MM(ITU-T G.651), DS(ITU-T G.653), NZDS(ITU-T G.655), SM(ITU-T G.657 A2/B2), SM(ITU-T G.657 B3)
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
Boot up time	Typical 10sec.
Splicing modes	Splice mode: 300, Heat mode: 100
Average splice loss	SMF: 0.02dB, MMF: 0.01dB, DSF: 0.04dB, NZDSF: 0.04dB
Average return loss	> 60dB
Splicing time	Typical 6sec (Quick mode)
Splice loss estimate	Available
Heat time	Typical 9sec (IS-45 Sleeve, IS-60 mode) Typical 13sec (IS-60 Sleeve, IS-60 mode)
Applicable sleeves	40mm, 45mm, 60mm (fiber), 32mm or 28mm (Connector)
Storage of splice result	Splice Data 10,000 results, Splice Image 10,000 results
Tension test	2N / 4.4N (Option)
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, 2.5kg (Including battery)
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 / 220X ~ 700X
Power supply	DC Lithium polymer battery(DC 14.8V, 6000mAh), 100~240V AC Adapter
No. of splice cycles with battery	300cycle
Electrode life	More than 3,500 times splicing without exchange
Data output	USB 2.0, RCA
Firmware upgrade	USB memory stick, internet
Remote control service	Remote control service by internet server

## Standard Package

CATEGORY	MODEL	Q'ty
Arc Fusion Splicer	K7	1
AC Adapter	F1-1	1
Sleeve Loader	S312	2
Spare Electrode	EI-21	1 pair
Battery Pack	K713	1
Alcohol Dispenser		1
Cooling Tray	CT-03(60mm)	1
Manual Stripper	CF-02	1
Cleaver	CI-01	1
Tool Box	-	1
User Manual	-	1
Carrying Case	Hard Case	1

## Option Package

CATEGORY	MODEL
Battery Pack	K713
Cleaver Blade	BI-05
Electrode	EI-21
Fiber Holder	HS-250, HS-900, HS-2.5, HS-IN, HS-SC,HS-LC, HS-ST, LS-900
Sleeve	S-160(60mm), S-140(40mm) IS-60(60mm), IS-45(45mm)
Sleeving Clamp	SC-01
SOC Connector	SC, LC, FC, ST(Refer to FTTx Solution catalogue)
Fiber Cleaver	CS-03A (for SOC)
External Power	DC 12V Available for car cigar jack

\* Design and specifications are subject to change without notice.