



# IFS-15H

ARC Fusion Splicer

## FTTx ARC Fusion Splicer

High-end core alignment FTTx master

IFS-15H



IFS-15H

### FTTx Master

- 1.82 kg weight (without battery)
- Splicing method : DACAS (Digital Analysis Core Alignment System)
- Friendly smart GUI
- Quick optimize menu
- High precision splicing
- USB master port, easy to upgrade software
- Universal holder
- Detachable SOC holder
- Detachable SOC heating oven
- FTTH fitted package



IFS-15H

Characteristics

IFS-15H

Simply exchange of electrodes



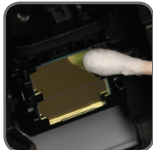
Installation of SOC holder



Bright LED for dark environment



Easy to clean mirrors



Heat oven for SOC connector



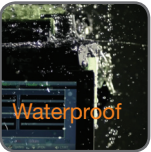
Battery : Typical 160 cycles



Detachable holder for multi-functional splicing



800x480 Highest resolution  
Protected by tempered glass LCD  
Clear core image  
User-friendly smart GUI



IFS-15H passed 3 tests as below :  
Water proof : IPX2 rating drip proof  
Anti Shock : 80 cm drops from 5 different angels  
Dust proof : IP5X rating dust proof

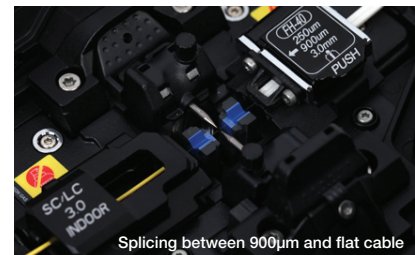
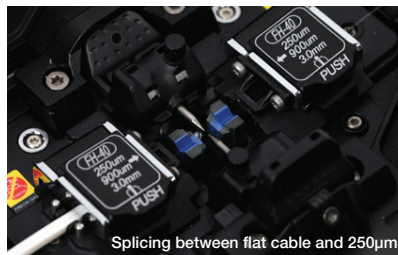
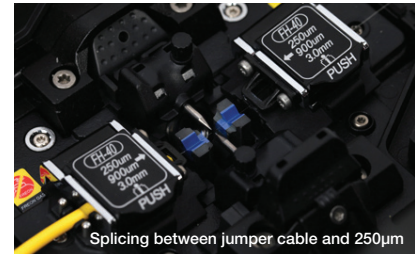
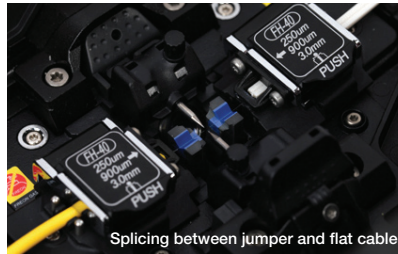
## Description

The IFS-15H core-alignment fusion splicer with the new DACAS (Digital Analysis Core Alignment System) is one of the most dependable splicers on the market. The IFS-15H has a user friendly, intuitive GUI (Graphical User Interface) with a 4.3 inch high-resolution color LCD screen that is easy to see and use. With a compact size of the fusion splicer (155mm\*130mm\*137mm) and the portable carrying case, the IFS-15H FTTH Master brings much more convenience for customers who work in the FTTx field. Besides the compact size, the most significant innovation is the compatibility. The IFS-15H is compatible with being widely used fibers and cables, even for splice-on connector. It combines the functions of both splicing and heating for those cables, which are popular in FTTx: 250 $\mu$ m fiber, 900 $\mu$ m fiber, flat cable, fiber jumper and splice-on connector.

### Splice Loss



### Application of Multi-fiber Cables



### Specifications

Weight	1.82kg (without battery), 2.0kg (including battery)
Applicable Fibers	SM(ITU-TG.652)/MM(ITU-TG.651)/DS(ITU-TG.653)/NZDS(ITU-TG.655)/ITU-TG.657A/ITU-TG.657B
Compatible Fiber / Cable	0.25mm/0.9mm/2.0mm/2.4mm/3.0mm/ Flat cable
Fiber Count	Single Core
Fiber Holder	Detachable (Standard: FH-40, Optional: FH-10, FH-ST, FH-SC)
Fiber Diameter	Cladding:80-150 $\mu$ m / Coating:100-3000 $\mu$ m
Fiber Cleave Length	Diameter 250 $\mu$ m-1000 $\mu$ m : Cleave length 5-13mm
Splice Mode	Max/Preset 64/24
Typical Splice Loss	SM:0.02dB/MM:0.01dB/DS:0.04dB/NZDS:0.04dB/G.657:0.02dB (ITU-T Standard)
Return Loss	>>60dB
Splicing Time	SM Quick Mode:7seconds
Estimated Splice Loss	Available
Attenuation Splicing	0.1dB-20dB (0.1dB step)
Heat Oven / Heating Time	Heat Mode: 32/Heating Time (Typical): 35 seconds
Applicable Protection Sleeve Length	10mm, 20mm, 30mm, 40mm, 50mm, 60mm
Results Storage	The last 2000 results
Mechanical Proof Test	1.96~2.25N [Based on the fiber count]
Operating Condition	Operating Altitude:0-5000meter above sea level, 95% relative humidity, - 10~50 $^{\circ}$ C, Max Wind 15m/s
Storage Condition	0~95% relative humidity, -40~80 $^{\circ}$ C, Battery: -20~ 30 $^{\circ}$ C
Size / Color	155*130*137(L*W*H)/Eco-green
Display	2 cameras and 4.3 inch color LCD monitor ( with high resolution, anti-reflective and shock-proof protect surface)
Fiber View & Magnification	X/Y 300X, X/Y 180X
Power	DC 10-15V Power Supply
No of Splice / Heating with Battery	Typical 160 times(Splice + Heat)/Splice + Heat=26.7mA/time Battery:4200mAh
Electrode	3000 Times Splicing
Terminal	USB 2.0/RS232 (for storage and upgrading)
Other Functions	IFS-15H Exclusive Software/Exclusive Heat Oven-for splice-on connector/Splice and Heat mode for connectors

Size and Weight



Height: 5.39 inches (137 mm)  
 Width: 5.11 inches (130 mm)  
 Depth: 6.10 inches (155 mm)  
 Weight: 4.01 pounds (1.82 kg without battery)  
 4.40 pounds (2.0kg including battery)

Package



- ① IFS-15H Splicer
- ② High Precision Cleaver
- ③ Cleaver Pouch
- ④ DC300 with Cleaning Brush
- ⑤ Battery Pack
- ⑥ CD
- ⑦ Sleeve Protector
- ⑧ Handling Strap
- ⑨ Cleaving Table
- ⑩ Tighten Screw
- ⑪ Carrying Case Key
- ⑫ Carrying Case
- ⑬ Shoulder Strap
- ⑭ Extra Electrode
- ⑮ Cooling Tray
- ⑯ Cable Shield Cutter
- ⑰ Cigarette Lighter Cable
- ⑱ RS-232 Cable
- ⑲ Power Cable
- ⑳ AC Adapter
- ㉑ Alcohol Vase minimum capacity 100ml

Package	
IFS-15H Splicer	IFS-15H
High Precision Cleaver	VF-15H
Indoor Cable Stripper	DC300
Battery Pack	LBT-40
AC Adapter / Battery Charger	JS-126300-X
Power Cable	ACC-25
Extra Electrodes	E-27
Carrying Case / Working Table	NBX-35 / HCK-1
Cooling Tray	CG-22
Protector	PT-1
Cigarette Lighter Cable	CJ-11
RS-232 Cable	RS-11
Software CD	CD

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