

# 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

Ver.1.1

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



Waterproof



Anti Shock



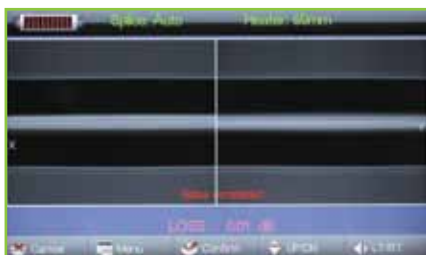
Dustproof

## IFS-15H

### Description

The IFS-15H core-alignment fusion splicer with the new DACAS (Digital Analysis Core Alignment System) is one of the most dependable splicer 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 works 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: 250µm fiber, 900µm fiber, flat cable, fiber jumper and splice-on connector.

### Splice Loss



### Application of Multi-fiber Cables



Splicing between jumper and flat cable



Splicing between jumper cable and 250µm



Splicing between flat cable and 250µm



Splicing between 900µm and flat cable

### Specifications

|                                     |                                                                                                            |
|-------------------------------------|------------------------------------------------------------------------------------------------------------|
| Weight                              | 1.82kg without 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:80-150µm/Coating:100-1000µm                                                                       |
| Fiber Cleave Length                 | Diameter 250µm-1000µm: cleave length 8-16mm                                                                |
| 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°C, Max Wind 15m/s           |
| Storage Condition                   | 0~95% relative humidity, -40~80°C, Battery: -20~ 30 °C                                                     |
| Size / Color                        | 155*130*137(L*W*H)/Eco-green                                                                               |
| Display                             | 2 Cameras and 4.3 inch color LCD monitor (with high resolution and shock-proof protect surface)            |
| Fiber View & Magnification          | X/Y 300X, X/Y 180X                                                                                         |
| Power                               | DC 18V Power Supply                                                                                        |
| No of Splice / Heating with Battery | Typical 160 times(Splice + Heat)/Splice + Heat=26.7mA/time Battery:4200mAh                                 |
| Electrode                           | 2500 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)

Package



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

| Package                 |             |
|-------------------------|-------------|
| IFS-15H Splicer         | IFS-15H     |
| High Precision Cleaver  | VF-15H      |
| Indoor Cable Stripper   | DC300       |
| Stripper                | CG-22       |
| Protector               | PT-1        |
| Working Head Lamp       | HL-1        |
| Battery Pack            | LBT-20      |
| Cooling Tray            | CG-22       |
| Power Cable             | ACC-25      |
| AC Adapter              | JS-126300-X |
| Eletrode                | E-27        |
| Software CD             | CD          |
| HCK Working Table       | HCK-1       |
| HCK Carrying Case       | NBX-35      |
| Cigerette Lighter Cable | CJ-11       |