



OPTIC-LINE FUSION SPLICER OPTAI-XX SERIES

>>Description

OPTIC-LINE OPTAI-7C/7S/8C/9 use the latest core alignment technology with auto focus and six motors, it is a new generation of fiber fusion splicer. It is fully qualified with 100 km trunk construction, FTTH project, security monitoring and other fiber cable splicing projects. The machine uses industrial quad-core CPU, fast response, is currently one of the fastest fiber splicing machine in the market; with 5-inch 800X480 high-resolution screen, the operation is simple and intuitively; and up to 300 times focus magnifications, making it is very easy to observe the fiber with naked eyes. 6 seconds speed core alignment splicing, 15 seconds heating, the working efficiency increased by 50% compared to ordinary splicing machines.

>>Main Features



OPTAI-7C Six motors , Core alignment 8 seconds fast splicing 18 seconds fast heating.



OPTAI-7S Six motors , Core Alignment 6 seconds fast splicing 15 seconds fast heating Anti-theft lock Remote control.



OPTAI-8C Six motors , Core alignment 6 seconds fast splicing 15 seconds fast heating Anti-theft lock, Remote control.



OPTAI-9 Six motors , Core alignment 5 seconds fast splicing 15 seconds fast heating Built-in Power Meter and VFL Anti-theft lock, Remote control.



>> Specifications

Applicable Fibers	SM (G.652&G.657)、MM (G.651) 、DS(G.657)、NZDS (G.655)
Splice Loss	0.025dB (SM) 、0.01dB (MM) 0.04dB (DS/NZDS)
Focus mode	Auto focus
Fiber alignment	Core/cladding alignment Manual alignment
Typical splicing time	5S (OPTAI-9) / 6S (OPTAI-8C) / 6S (OPTAI-7S) / 8S (OPTAI-7C)
Typical heating time	15S (OPTAI-9/ 15 S OPTAI-8C) / 15 S OPTAI-7S) / 18 S (OPTI-7C) Fast heating function, heating time can be set
Control technology	Real-time control and calibration of fusion ARC
Return loss	Better than 60DB
Fiber diameter	Cladding Diameter 80-150 μ m, Coating Diameter 100-1000 μ m
Fiber Cleave Length	Coating less than 250 μ m : 8-16mm Coating less m250-1000 μ m:16mm
Heat shrinkable tube	60mm、40mm
Visual Fault Locator (OPTAI-9)	Power:15mw,2hzflashing And Constantly Bright Mode
Tension Test	Standard 2N
Fiber holders	Multi-function holders. Applicable for SM, MM, bare fiber, pigtail, rubber-insulated, multi fiber cable
Magnification	300 for X or Y view, 150 for X or Y view

>> Specifications

Screen	5.1 inch TFT color display
Software upgrade	Mobile APP update, Turn on Bluetooth sync to the machine
Splicing Mode	Normal / high precision splicing
Splicing record storage	Synchronize to the phone, the server to cloud storage unlimited
Built-in battery	7800 mA high-capacity lithium battery, charging time \geq 3.5 hours, continuous splicing and heating about 240 times
Power supply	Input AC100-240V 50 / 60HZ, output DC13.5V / 4.8A, the current power mode can be deified, real-time detection of battery power
Operating Conditions	Temperature -15 ~ +50 °C, humidity: <95% RH (no condensation), Working altitude: 0 ~ 5000m. Resist max. wind speed: \leq 15m / s
lighting	Built-in (OPTAI-7S) , External (OPTAI-7C/8C/9)
Optical Power Meter(OPTAI-9)	Wavelength:850nm、1300nm、1310nm、1490nm、1550nm、1625nm Measuring Range:-70 ~ +6db Absolute Error:<0.3db(-50dbm ~ +3dbm Range)

ACCESSORIES IN THE TOOL BOX

