

# WRX12R Ribbon Fusion Splicer

## Reliable Mass Fusion Splicer

The Optix America WRX12R ribbon fusion splicer provides dependable splicing for both ribbon and single fiber optic cables, including 250um rollable ribbon fiber. This rugged and durable unit has an IP52 Ingress Protection Rating. Featuring SMART arc control technology, the WRX12R automatically adjusts the arc value based on the number of fibers being spliced and the quality of the fiber cleaves. It also utilizes PAS LED technology for fiber alignment, eliminating the need for mirror adjustments and cleaning. The complete kit includes a precision cleaver, thermal stripper, 12f fiber holders, optional 250um or 900um single fiber holders, V-groove cleaning tools, and an 840mAH high-capacity battery that provides over 240 splicing and heat cycles. Guaranteed stability and splicing performance under most environmental conditions, the WRX12R ribbon fusion splicer will be your trusted tool in the field. Standard features include automatic arc calibration, fast heating, low loss, 13s splice time, force arc, 100X magnification, reverse monitor, GPS tracking, and quick splice mode.



## Features

- Reliable splicing for ribbon & single fiber, including 250um rollable ribbon
- Three year Warranty
- IP52 Ingress Protection rating
- SMART arc control technology adjusts the arc value to number of fibers being spliced and quality of the fiber cleaves
- Aligns fiber using PAS LED technology - no mirrors to adjust and clean
- 13s splice time and 16s heating
- 100X Magnification of fibers
- GPS Tracking system (IOS Compatible)
- 840mAH high capacity battery providing over 240 splicing and heat cycles
- Records 10,000 splicing result records and 800 splice images
- Also includes precision cleaver, thermal stripper, 12f fiber holders, 250um or 900um single fiber holders, V groove cleaning tool, +++
- Charge and splice - no waiting to start splicing
- Includes Force Arc, Sustained Heat, Quick Splice Mode, Reverse Monitor, and GPS Tracking
- CE, ISO, RoHS, GS Certifications
- NJ Service and Support Center

## Standard Package

No.	Item
1	WRX12R Ribbon Fusion Splicer
2	WRXK6R Precision Cleaver with Bin
3	WRXTS6 Thermal Stripper with Adapter
4	12f Fiber Holders (pr)
5	250um Single Fiber Holders (pr) ( <i>optional</i> )
6	900um Single Fiber Holders (pr) ( <i>optional</i> )
7	Battery (8400mAh)
8	Spare Electrodes
9	Cooling Tray
10	AC Adapter for Splicer
11	AC Adapter for Thermal Stripper
12	Direct Charging Cable for Thermal Stripper
13	USB cable
14	Sniper6N1 Cable Stripper
15	KS-1 Kevlar Scissors
16	V-groove Cleaning Tool
17	V-groove cleaning swabs (25)
18	Magnifier (30X) with Light
19	Sweeper Brush & Bristle Brush
20	Cleaning Fluid Bottle
21	40mm Ribbon Splice Sleeves (50)
22	Lint Free 2"x2" Wipes (150)
23	Cooling Tray
24	Screwdriver
25	User Manual
26	Hard Case with Strap



## Specifications

PARAMETER	VALUE
<b>Size &amp; Weight</b>	D6.1" x W5.3" x H5.9", 3.75lbs (5.5lbs with battery)
<b>Applicable Fibers</b>	SM, MM, DS, NZ/NZ DS, BI
<b>Fiber Count</b>	Single to 12 fibers
<b>Average Splice Loss</b>	0.05dB(SM), 0.03dB(MM), 0.08dB(DS), 0.08dB(NZ/NZ DS), 0.05dB(BI)
<b>Return Loss</b>	60dB+
<b>Splice Mode</b>	Total 100 splice modes
<b>Typical Splice Time</b>	13sec with SM FAST, 16sec with SM AUTO
<b>Heating Mode</b>	Total 20 heating modes
<b>Tube Heating Time</b>	~16sec
<b>Applicable Sleeve</b>	25~60mm sleeve
<b>Splice Image Capture</b>	800 maximum
<b>Splice Result Storage</b>	10,000 maximum
<b>Operating Language</b>	English
<b>Fiber View</b>	Two Axis CMOS camera
<b>Fiber Magnification</b>	X/Y, X or Y 32-100X magnification
<b>Monitor</b>	4.3 inches high resolution colorful LCD display
<b>Operating Condition</b>	Altitude: 0~3800m above sea level, Temperature: -10~+50°C Wind: 15m/sec, Humidity: 0 ~95%RH
<b>Tension Test</b>	1.96~2.25 N
<b>Electrode Life</b>	2000 arcs
<b>Power Supply</b>	AC100~240V, 50/60Hz
<b>Battery</b>	8400mAh high capacity battery (240 cycles)

## Ordering Information

PART NO.	DESCRIPTION
<b>WRX12R</b>	WRX12R Ribbon Fusion Splicer Kit
<b>WRX12R-FT3X</b>	WRX12R Kit with Three FastTrack Calibrations
<b>FHR-900</b>	WRX12R Fiber Holders for 900um single fiber
<b>FHR-250</b>	WRX12R Fiber Holders for 250um single fiber