

Fujikura Announces Launch of the 41R Mass Fusion Splicer

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Fujikura Co., Ltd. (President Masahiko Ito) is proud to announce launch of the NEW 41R Mass Fusion Splicer, designed for splicing up to a 4-fiber ribbon.

This product is equipped with good mobility and our wireless communication function, “Active Blade Management Technology”, where the splicer is connected to and monitors the fiber cleaver and ribbon fiber stripper. With Active Blade Management Technology, it is far easier to maintain high quality fiber preparation. This product monitors every fiber’s end shape to assess the cleave quality. If the cleaved fiber is bad due to a worn blade position, this product sends a command to the fiber cleaver to rotate to the next viable blade position. The cleaver then executes the blade rotation automatically via an internal motor. This functionality greatly prevents operators from making a bad splice due to a worn out blade position. In addition, both the heating temperature and heating time of the ribbon fiber stripper are automatically changed according to the splice mode setting. Ribbon Fiber Stripper control is beneficial because the construction of optical fibers has become diversified, due to modern FTTH deployments, 5G base stations, and the conversion of CATV to 4K and 8K broadcasting. Lastly, many new utility companies and contractors are entering low voltage & optical fiber construction. The 41R enables these companies to splice with confidence in various fiber construction environments, because even new operators can use this splicer with ease.

In addition, the 41R has the following functions.

- Real-time arc discharge control by analyzing the arc’s brightness intensity, to help with optimal splice loss
- Universal splicer & accessories for 200 μm and 250 μm coating diameters of Spider Web Ribbon
- Automatic tube heater start for protection sleeve shrinking
- Portable splicer work tray within the carrying case
- 5” touch panel LCD monitor

For more detailed information, please visit: <https://www.fusionsplicer.fujikura.com/>

Mass Fusion Splicer 41R

Optical Fiber Cleaver CT50

Motorized blade

No.	Gap	Offset	Cleave	
			Left	Right
1	41 μm	0.5 μm	1.0°	1.0°
2	45 μm	0.6 μm	5.7°	0.9°
3	49 μm	0.7 μm	5.3°	0.6°
4	44 μm	0.8 μm	1.0°	0.2°

Now rotating the blade.

Blade Position: 1 → 2
Blade Height: L(1)