

Launch of Sales of New Single Fiber Fusion Splicer

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Fujikura Ltd. (President and CEO: Masahiko Ito) is pleased to announce the launch of sales of its new Single Fiber Fusion Splicer 41S from September 2018.

The new product is a cladding alignment type fiber fusion splicer with a moveable V-groove into which optical fiber is set and fused after alignment of the outer fiber diameters.

By using Bluetooth technology, the 41S wirelessly connects to the CT50 fibre cleaver and enables a range of pioneering features that will improve the overall installation time, cost and efficiency for operators. Frequently when cleaved fibres are set into a fusion splicer it becomes clear that the bare fibre end is damaged due to friction caused by a worn cleaver blade. However, this issue is efficiently minimized with the 41S fusion splicer. It uses wireless communication to monitor and rotate the fibre cleaver blade into a position where it will produce a good cleave angles.

The 41S also has the unique capability to estimate splice loss with greater accuracy, using a New Core Loss Estimation Function, than previous Fujikura cladding alignment type fusion splicers.

The new fusion splicer will be exhibited at CIOE2018 (China International Optoelectronic Exposition) in China on September 5 and ECOC (European Conference on Optical Communication) to be held in Italy on September 23.

Examples of Product Specifications

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| Model Name | 41S |
| Typical slice loss | 0.03dB (For single-mode fiber fusion) |
| Fusion splice time | 6 seconds (For single-mode fiber fusion) |
| Shrinkable-sleeve heating time | 25 seconds (For Fujikura sleeve FP-03 shrinkage) |
| Wireless communication standard | Bluetooth® 4.1 LE |



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