



UMF Equipment – Splicing System for Optical Fibers

Fujikura LZM-100

The Fujikura LZM-100 is a highly-precise splicing system that uses a CO₂ laser heat source to perform splicing, adiabatic tapering or other glass shaping operations.

High precision glass processing is enabled by an intuitive and user-friendly on-board firmware. Operations may be performed manually or by PC control. An FPS PC control GUI, which is pre-installed in the all-inone computer, is supplied with the LZM-100 to provide additional features, greater flexibility and finer control.

Features:

- CO₂ laser heat source eliminates electrode or filament maintenance, provides very stable operation and greatly reduces the need for periodic calibration.
- High-strength splicing.
- Excellent performance for fiber splicing with dissimilar diameters.
- Intuitive FPS PC GUI: Easy to understand, navigate and operate.
- Automated laser safety features.
- Applicable fiber diameter for automatic alignment: 80 um to 2300 um.
- Maximum Z Travel Length: 150 mm (left plus right Z units).

Please refer to supplier information page: <u>http://www.fujikura.com</u> for further details of the system. For any inquiry, please contact Ms. Pendy Ho (<u>pendy.ho@polyu.edu.hk</u>). Fujikura LZM-100 Splicing System



Interface of Adiabatic Tapering

