

**MAUNT®**

**M10000596**

**Automatic preparation machine, APM-101, Fujikura**



**Description**

The Fujikura APM-101 is a fully automated fibre preparation machine with constant reliability and exceptionally consistent results. It effortlessly performs all the steps required to prepare optical fibres for Splicing. Within 23 seconds, the APM-101 strips the fibre of its outer layer without loss of quality, thoroughly cleans the fibre with alcohol to remove any coating residue, and always cleaves the fibre perpendicular to the fibre axis. The diamond blade ensures consistent cleave quality. The Fujikura APM-101 is equipped with an alcohol circulation system that allows efficient long-term use without frequent refilling, increasing productivity. In production and industrial automation systems, the APM-101 offers unmatched efficiency: its automated operation ensures uninterrupted long working times, completely eliminating interruptions for cleaning parts and residual material containers. With a built-in pressure sensor, the APM-101 system monitors the air pressure required for quality cleaving before the operation begins, instantly detecting a lack of proper air pressure. The compact design fits on a variety of work surfaces thanks to its small size. The use of compressed air is essential for operation.

**Brand**

Fujikura



### Technical specifications

|                      |                                                                   |
|----------------------|-------------------------------------------------------------------|
| Width                | 170 mm                                                            |
| Depth                | 370 mm                                                            |
| Height               | 120 mm                                                            |
| Weight               | 5.1 kg                                                            |
| Applicable fibre     | Conventional silica optical fibre                                 |
| Fibre diameter       | Cladding diameter: 125 µm, Coating diameter: 250 µm               |
| Coating material     | UV curable resin                                                  |
| Fiber holder         | FH-100-250<br>FH-100-250-EV<br>FH-40-250                          |
| Cleaver length       | 3 to 10 mm                                                        |
| Cleaver corner       | Usually 0.5 degrees (single mode)                                 |
| Operating time       | 23 sec                                                            |
| Nutrition            | AC adapter ADC-15<br>Input AC100 to 240 V (50 ~ 60 Hz)            |
| Operating conditions | 0 to 40 degrees Celsius and 0 to 95% relative humidity (no dew)   |
| Storage conditions   | -40 to 80 degrees Celsius and 0 to 95% relative humidity (no dew) |
| Compressed air       | 0.4MPa (4bar)                                                     |