

MAUNT®

M10000597

Automatic preparation machine, APM-102, Fujikura



Description

The Fujikura APM-102 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-102 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-102 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-102 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- 102 system monitors the air pressure required for quality cleaving before the operation begins, immediately 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-60-250
Cleaver length	3 to 10 mm
Cleaver corner	Typically 0.5 degrees (single mode fibre)
Operating time	23 sec
Nutrition	AC adapter ADC-15 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)