



APM-101 Automatic Preparation Machine

The new APM-101 performs all the steps required to prepare optical fibers before splicing – automatically and with high consistency. This includes stripping the fiber without degrading fiber quality, cleaning fiber with alcohol to remove coating residue, and cleaving consistently at a right angle to the fiber axis. The entire process is complete in as little as 18 seconds.

Features

- **Automatic cleaning** – Main components in the machine are automatically cleaned allowing a continuous sequence of 100 fiber preparation operations.
- **Automatic residue collector** – Coating residue and glass scraps are collected in separate containers. At least 100 fiber preparation operations may be performed without emptying the scrap collectors.
- **Alcohol circulation system** – Alcohol for cleaning is circulated in a closed system enabling a lengthy refill-free operation.
- **Diamond blade** – A diamond blade is used for cleaving in the tension method cleaving process and provides consistent cleave quality.
- **Reliable stripping method** – Contact of the stripping blade to the fiber is prevented using guides in conjunction with the blade. This minimizes damage to fiber during the stripping process.
- **Production-friendly design** – The operating height is the same as the FSM-100 series splicers providing ergonomic, smooth and simple operation

Specifications

PARAMETER	VALUE
Applicable fiber	Silica based Single-mode and Multimode glass fiber
Applicable cladding diameter	125 µm
Applicable coating	UV curable resin coating
Applicable coating diameter	250 µm
Fiber clamping	FH-100-XXX series or FH-40-XXX fiber holder
Cleave length	3 to 9 mm
Cleave angle	Typical 0.5°
Operating time	Typical 18 seconds (in the case of 125 µm diameter fiber with 250 µm coating)
Daily maintenance	Typically every 150 cycles
Operation action	1 step (Press start button only)
Air pressure	4 bar
Operating Condition	0 to 40°C at 0 to 95% RH (non-dew)
Storage condition	-40 to 80°C at 0 to 95% RH (non-dew)
Dimensions	170W x 260D x 120 H (MM)
Weight	5.0 kg

Ordering Information

DESCRIPTION	AFL NO.
APM-101 Automatic Preparation Machine	S014974

Accessories

DESCRIPTION	AFL NO.
ADC-15 AC Adapter	S014826
ACC-02 AC Cord	S001171