

Messrs. _____

**SPECIFICATIONS
FOR
OPTICAL FIBER AUTOMATIC PREPARATION MACHINE
APM-101**

井出 裕美

Prepared by Hiromi Ide
Engineering Department
Precision Equipment Division
Power&Telecommunication Systems Company
Fujikura Ltd.

Toshiki Kubo

Approved by Toshiki Kubo
Product Department
Precision Equipment Division
Power&Telecommunication Systems Company
Fujikura Ltd.



SPECIFICATIONS FOR OPTICAL FIBER AUTOMATIC PREPARATION MACHINE APM-101

1. GENERAL

This document covers Optical Fiber Automatic Preparation Machine APM-101. The APM-101 is a fully automated optical fiber preparation machine handling stripping, cleaning and cleaving process in one machine. Compressed-air is necessary for operation.

Main features

- Consistent fiber preparation quality regardless of operator's skill, for consistent splicing performance.
 - 1) Less fiber breakage.
 - 2) Less possibility to have bad cleaving results.
- Quick operation by fully automated system and continuous long-operation without break for cleaning components / residue containers.
- Compact body for small foot print on the working space.



APM-101

2. LIST OF ITEMS

One set of APM-101 consists of the following standard items shown in Table1. Optional items are shown in Table 2.

Table1: Standard Items

No.	Model	Description	Qty
1	APM-101	Optical Fiber Automatic Preparation Machine	1pc
2	ACC-15	AC Adapter	1pc
3	ACC-xx	AC Power Code, ACC-01:Japan, 02:USA, 03:UK, 04:EU, 05:China,Australia	1pc
4	ALC-01	Alcohol Container	1pc
5	ALT-01	Alcohol Tube	3pcs
6	REG-01	Air Pressure Regulator	1pc
7	HEX-01	Hexagonal Wrench for cleaning, replacing cleaving blade	1pc
8	HEX-03	Hexagonal Wrench for replacing stripping blade	1pc
9	FMF-01	Fiber Mesh Filter	5pcs
10	SIG-01	Silicone Grease	1pc
11	M-APM101-E	Instruction Manual	1pc
12	–	Test report	1pc
13	–	CE Declaration of Conformity (for EU shipping)	1pc

Table2: Optional Items

Model	Description
FH-100-xx FH-100-xx-EV	Fiber holders for FSM-100 series
CSB-250	Coating Strip Blade (for replacement)
CB-04	Cleaving Blade (for replacement)

3. SPECIFICATIONS

3.1: Performance of the APM-101 standard package

Applicable fiber	Silica based Single-mode and Multi-mode glass fiber
Applicable cladding diameter	125μm
Applicable coating	UV curable resin coating.
Applicable coating diameter	250μm
Fiber clamping	FH-100-xx series fiber holder
Cleave length	3 to 10 mm
Cleave angle	Typical 0.5 degrees
Operating time	Typical 23 sec (In the case of cladding 125μm / coating 250μm)
Daily maintenance	Typically every 150 cycles
Operation action	1 step (Pushing start button only)

3.2: Dimensional Data

Dimensions	170mm(W) x 370mm(D) x 120mm(H)
Weight	5.1kg

3.3: Power Source

AC-adapter	ADC-15
Input	AC100 to 240 V (50 Hz to 60 Hz)
Output	DC19V 7.9A

3.4: Operation and Storage Conditions

Operating condition	Temperature : 0 to 40deg.C
	Humidity : 0 to 95% RH (Non-dew)
Storage condition	Temperature : -40 to 80deg.C
	Humidity : 0 to 95% RH (Non-dew)

3.5: Neccesity Compressed Air

Air Pressure	4bar
Flow Rate	155 litter/min

---END OF SPECIFICATIONS---

Specifications subject to change without prior notice.