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SPECIFICATIONS
FOR
POLYIMIDE COATING STRIPPER
PCS-100

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**SPECIFICATIONS
FOR
POLYIMIDE COATING STRIPPER
PCS-100**

1. GENERAL

These specifications cover Polyimide Coating Stripper PCS-100. The PCS-100 uses mechanical stripping method, while chemical stripping with hot Sulfuric acid or burning in a flame are the conventional method nowadays. A razor blade is applied to a Polyimide coated fiber under some tension, and moves precisely on the fiber all around to finally take Polyimide coating. Blade position / fiber rotation pitch angle, stripping length can be adjusted for various types of dimensional fibers.

Main features

1. **Quick stripping** – Razor blade is applied to the fiber with specific tension, and the coating is precisely planed along the fiber automatically. The process takes much shorter time than any conventional methods with acid or heat.
2. **Safe and quality stripping** – Operation is much safer as this uses no chemical acid, while the fiber quality degradation is kept small as the glass surface is not oxidized by burning.
3. **Flexible** – A lot of parameters, such as razor blade position and stroke, fiber rotation angle are all adjustable for various size and coating material of optical fibers.



PCS-100

2. LIST OF ITEMS

One set of PCS-100 consists of the following standard items shown in Table1. Optional fiber holders are shown in Table 2.

Table1 Items in a standard package

Item	Model	Description	Q'ty
1	PCS-100	Polyimide coating stripper	1 pc.
2	FH-100-150	Fiber holder for 150 μ m coating diameter	1 pair
3	ADC-15	AC Adapter	1 pc.
4	ACC-XX	AC power cord	1 pc.
5	M-PCS100-E	English instruction manual	1 pc.
6	-	CE Declaration of Conformity (for EU shipping)	1 pc.
7	PCB-01	Replacement blade (50pcs./pack)	1 pack
8	HEX-01	Hexagonal Wrench	1 pc.

Table2 Optional fiber holder

Model	Description
FH-100-XXX	Fiber holder for FSM-100 series
FH-100-XXX-EV	Fiber holders for FSM-100M+/100P+
PCB-01	Replacement blade (50pcs./pack)

3. SPECIFICATIONS

3-1 Stripping performance

Applicable fiber	Silica based Single-mode and Multi-mode glass fiber
Applicable coating	Polyimide coating and UV curable resin coating
Fiber dimension	Cladding dia. : 60 to 1200 μ m Coating dia. : 60 to 1,500 μ m
Fiber clamping	1 pair of FH-100-XXX series fiber holders are used
Cleave length	1 to 35 mm
Stripping time / Blade life	4 times stripping : 20sec. / 350 fibers per a blade
	8 times stripping : 35sec. / 175 fibers per a blade
	12 times stripping : 50sec. / 118 fibers per a blade

3-2 Proof function

Tensile proof test	2kgf
Tensile proof time	3sec.

* Warning function: Warning message is displayed in the case fiber is cut.

3-3 Dimensional data

Dimensions	230W x 214D x 151H [mm]
Weight	5.0kg excluding AC adapter.

* Dimensions: Monitor / wind protector included, but not protruded parts.

3-4 Power source

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

3-5 Operation and storage condition

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)

3-6 Stripping program

Stripping mode	30 modes
Proof mode	30 modes

----- END OF SPECIFICATIONS -----

Specifications subject to change without prior notice.