

# PCS-100L Polyimide Coating Stripper

The Fujikura PCS-100L Polyimide Fiber Coating Stripper is an advanced tool engineered for the precise removal of polyimide coatings from optical fibers, commonly utilized in the oil, gas, and medical sectors. Traditional methods for stripping these coatings often involve hazardous chemicals or high-temperature processes, posing safety risks and potential fiber damage. The PCS-100L introduces a mechanical stripping technique, offering a safer and more efficient alternative.



## Specifications

### STRIPPING PERFORMANCE

Applicable Fiber	Silica based Single-mode and Multimode glass fiber
Fiber Count	Single
Applicable Coating	Polyimide coating and UV curable resin coating
Cladding Diameter Range	60 to 1200 $\mu\text{m}$
Coating Diameter Range	60 to 1,500 $\mu\text{m}$
Fiber Clamping	Adaptable to range of fiber/coating sizes by selection of applicable pair of FH-110-XXX series fiber holders
Strip Length	1 to 35 mm (Window stripping: 1 to 33 mm)
Stripping Time	4 stripping passes: 20 seconds 8 stripping passes: 35 seconds 12 stripping passes: 50 seconds
Blade Life	350 fibers / blade (In the case of 4 strips per fiber)
Stripping Modes	30 user-programmable modes

### DIMENSIONAL DATA

Dimensions	230 mm (W) x 214 mm (D) x 151 mm (H)
Weight	4.8 kg excluding AC adapter

### POWER SOURCE

Power Input	AC100 to 240 V (50 Hz to 60 Hz)
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### OPERATION AND STORAGE CONDITIONS

Operating Conditions	Temperature: 0 to 40°C, Humidity: 0 to 95% RH (Non-condensing)
Storage Conditions	Temperature: -40 to 80°C, Humidity: 0 to 95% RH (Non-condensing)

## Ordering Information

DESCRIPTION	AFL NO.
PCS-100L Polyimide Coating Stripper	S018627
Includes: PCS-100L, ADC-15 AC Adapter, ACC-02, Hex-01, Instruction manual and PCB-01 replacement blades	

## Accessories

DESCRIPTION	AFL NO.
FH-110-150	S018218
ADC-15 AC Adapter	S014826
ACC-02 AC Power Cord	S001171
PCB-01 (Box of 50)	S015018

## Features

- Mechanical Stripping Method –**  
Eliminates the need for dangerous chemicals like hot sulfuric acid or burning methods, ensuring a safer working environment and maintaining fiber integrity.
- Fully Programmable Settings –**  
Allows customization of fiber diameter and strip length to accommodate various fiber specifications, enhancing versatility and precision.
- Quick and Consistent Operation –**  
Achieves rapid stripping cycles, significantly reducing processing time compared to traditional methods, while ensuring consistent results.
- Adjustable Parameters –**  
Features customizable settings for blade position, stroke, and fiber rotation angle, enabling compatibility with a wide range of fiber sizes and coating materials.