

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

FUJIKURA

Fujikura Polyimide Coating Stripper PCS-100

The Fujikura PCS-100 is a specialized polyimide coating stripper designed for optical fibers. It ensures precise and damage-free removal of polyimide coatings, which is essential for preparing fibers for splicing or termination. Its ergonomic design and high-precision blades offer efficient and consistent performance, making it a valuable tool for fiber optic technicians.



MODEL

Fujikura PCS-100

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PCS-100

LISTING

<https://aumictechlabs.com/products/pcs-100-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fujikura PCS-100 is a mechanical polyimide coating stripper engineered for safe, consistent removal of coatings from optical fibers. It replaces hazardous chemical and thermal methods with precision mechanical stripping, eliminating the need for hot sulfuric acid or open-flame techniques. The system handles single fibers with cladding diameters from $\phi 60$ to $1200\ \mu\text{m}$ and coating diameters up to $\phi 1500\ \mu\text{m}$, delivering repeatable results critical for splicing and termination operations.

Technical Specifications

Fiber Parameters

Applicable fiber type: Conventional silica optical fiber

Fiber count: Single-fiber

Cladding diameter: $\phi 60$ to $1200\ \mu\text{m}$

Coating diameter: $\phi 1500\ \mu\text{m}$ maximum

Stripping length: 1 mm to 35 mm (window stripping: 1 mm to 33 mm)

Processing Performance

Stripping time at 4 $\times$ action cycles: 20 sec

Stripping time at 8 $\times$ action cycles: 35 sec

Stripping time at 12 $\times$ action cycles: 50 sec

Blade life: 350 fibers (based on 4 $\times$ action cycles)

Mechanical Adjustment & Control

Razor blade position and stroke: Adjustable

Fiber rotation angle: Adjustable Blade height (vertical offset): -150 μm to +150 μm Integrated mechanical proof tester with 2 kgf tensile load, 3 sec duration, cut-detection warning display

Physical & Power Dimensions: 230 mm (W) $\times$ 214 mm (D) $\times$ 151 mm (H) Weight: 5 kg (excluding AC adapter) Power input (AC adapter ADC-15): AC 100–240 V, 50–60 Hz Power output: DC 19 V, 7.9 A

Operating environment: 0°C to 40°C, 0–95% RH (non-condensing) Storage environment: -40°C to 80°C, 0–95% RH (non-condensing)

Key Features Adjustable blade height from -150 μm to +150 μm for fiber diameter optimization Configurable action cycles (4 $\times$, 8 $\times$, 12 $\times$) for coating removal speed control Interchangeable fiber holders (FH-100-xxx and FH-110-xxx series) supporting diameters ϕ 60 to 2000 μm Built-in proof tester with fiber break detection Compact benchtop footprint at 230 $\times$ 214 $\times$ 151 mm

Typical Applications Polyimide-coated optical fibers in oil & gas and medical industries benefit from this stripper's damage-free removal capability. Applications requiring splice preparation and connector termination on heat-resistant and chemically stable fiber coatings are primary use cases.

Compatibility & Integration The PCS-100 strips polyacrylate, polyimide, carbon-coated, and gold-coated optical fibers. Standard package includes fiber holder FH-100-150. Optional fiber holders and replacement blade cartridges (PCB-01, 50-piece boxes) accommodate extended coating diameter ranges.

Features & description

From manufacturer datasheet

Technical Specifications Fiber Parameters

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Key Features

Adjustable blade height from $-150\text{ }\mu\text{m}$ to $+150\text{ }\mu\text{m}$ for fiber diameter optimization Configurable action cycles ($4\times$, $8\times$, $12\times$) for coating removal speed control Interchangeable fiber holders (FH-100-xxx and FH-110-xxx series) supporting diameters $\phi 60$ to $2000\text{ }\mu\text{m}$ Built-in proof tester with fiber break detection Compact benchtop footprint at $230 \times 214 \times 151\text{ mm}$

Fujikura PCS-100 — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Fujikura PCS-100. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values Request Calibration → Request Repair Quote →

Fujikura PCS-100 price

This Fujikura PCS-100 is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

Fujikura PCS-100 calibration cost

NIST-traceable calibration for the Fujikura PCS-100 is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Turnaround is 1 to 3 business days after receipt. See full calibration details →

Unit notes

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Mechanical Adjustment & Control

Razor blade position and stroke: Adjustable

Fiber rotation angle: Adjustable

Blade height (vertical offset): $-150\text{ }\mu\text{m}$ to $+150\text{ }\mu\text{m}$

Integrated mechanical proof tester with 2 kgf tensile load, 3 sec duration, cut-detection warning display

Physical & Power Dimensions: 230 mm (W) $\times$ 214 mm (D) $\times$ 151 mm (H)

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Power input (AC adapter ADC-15): AC 100–240 V, 50–60 Hz

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PCS-100 Specifications

PARAMETER	VALUE
Voltage / Current Range	7.9 A output, AC 100–240 V (50–60 Hz input)
Applicable fiber type	Conventional silica optical fiber
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Cladding diameter	φ60 to 1200 μm
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Stripping length	1 mm to 35 mm (window stripping: 1 mm to 33 mm) Processing Performance
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Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

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Built-in proof tester with fiber break detection

Compact benchtop footprint at 230 $\times$ 214 $\times$ 151 mm

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Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values

[Request Calibration](#) $\rightarrow$ [Request Repair Quote](#) $\rightarrow$

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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.