

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

FUJIKURA

Fujikura CT-50 High Precision Fiber Optic Cleaver Cutter

The Fujikura CT-50 is a high-precision fiber optic cleaver designed for accurate and consistent cleaving of optical fibers. It is known for its reliability and ease of use in field and laboratory settings. Ideal for preparing fibers for fusion splicing, the CT-50 ensures optimal performance with minimal fiber end face angle deviation.



MODEL

Fujikura CT-50

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

CT-50

LISTING

<https://aumictechlabs.com/products/ct-50-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fujikura CT-50 is a high-precision fiber optic cleaver designed for single and multi-fiber ribbon applications in fusion splicing and termination workflows. It delivers cleave angles typically below 0.5° and supports conventional silica optical fibers with cladding diameters of $125\ \mu\text{m}$ and coating diameters ranging from $160\ \mu\text{m}$ to $900\ \mu\text{m}$. Single-action operation combines cleaving and scrap collection, while a wide lever opening angle simplifies fiber placement and alignment.

Technical Specifications

Fiber Compatibility	Single fibers Up to 12-fiber ribbon Up to 16-fiber ribbon
Cladding diameter:	$125\ \mu\text{m}$
Coating diameter:	$160\ \mu\text{m}$ to $900\ \mu\text{m}$ (standard); $250\ \mu\text{m}$ (AD-50 adapter, 5–20 mm cleave lengths); less than $250\ \mu\text{m}$ (10–20 mm cleave lengths)
Cleave length:	2 mm to 3 mm
Cord and drop cable	Cleave Performance
Cleave angle:	Typically $< 0.5^\circ$ (interferometer-measured at room temperature)
Cleave length:	5–20 mm with AD-50 adapter; 10 mm with fiber holders
Blade	

life: 60,000 single-fiber cleaves; 5,000 12-fiber ribbon cleaves; up to 60,000 cleaves with 16-fiber ribbon (3 heights × 16 positions) Power & Connectivity Power supply: 2 × AAA (LR03) dry batteries Wireless: Bluetooth 4.1 LE for integration with compatible Fujikura fusion splicers Physical Specifications Dimensions: 120 mm W × 95 mm D × 58 mm H Weight: 300 g–320 g Environmental & Durability Operating: 0–95% RH, 0–40°C (non-dew) Storage: 0–95% RH, –40–80°C (non-dew) Shock resistance: Up to 30 inches (76 cm) drop in all directions Dust resistance: 0.1–500 µm diameter alumina silicate Rain resistance: 10 mm/hr for 10 minutes Complies with Telcordia TR-NWT-00264 Key Features User-replaceable blades and clamps reduce maintenance downtime Automatic blade rotation triggered by cleave quality or count via Bluetooth integration Field-serviceable components enhance long-term availability Impact and drop resistance rated to 76 cm in all directions Typical Applications Fusion splicing preparation Fiber termination workflows Multi-fiber ribbon processing Laboratory and field deployment environments Compatibility & Integration Bluetooth 4.1 LE connectivity enables wireless integration with compatible Fujikura fusion splicers for automated blade management based on cleave metrics or cycle count.

Features & description

From manufacturer datasheet

Technical Specifications Fiber Compatibility

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Key Features

User-replaceable blades and clamps reduce maintenance downtime Automatic blade rotation triggered by cleave quality or count via Bluetooth integration Field-serviceable components enhance long-term availability Impact and drop resistance rated to 76 cm in all directions

Fujikura CT-50 — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Fujikura CT-50. 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 CT-50 price

This Fujikura CT-50 is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

Fujikura CT-50 calibration cost

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Applications

Unit notes

The Fujikura CT-50 is a high-precision fiber optic cleaver designed for single and multi-fiber ribbon applications in fusion splicing and termination workflows. It delivers cleave angles typically below 0.5° and supports conventional silica optical fibers with cladding diameters of 125 µm and coating diameters ranging from 160 µm to 900 µm. Single-action operation combines cleaving and scrap collection, while a wide lever opening angle simplifies fiber placement and alignment.

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CT-50 Specifications

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Shock resistance	Up to 30 inches (76 cm) drop in all directions
Dust resistance	0.1–500 µm diameter alumina silicate
Rain resistance	10 mm/hr for 10 minutes

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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Applications

Fusion splicing preparation

Fiber termination workflows

Multi-fiber ribbon processing

Laboratory and field deployment environments

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

788 S 500 E, Pleasant Grove, UT 84062
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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.