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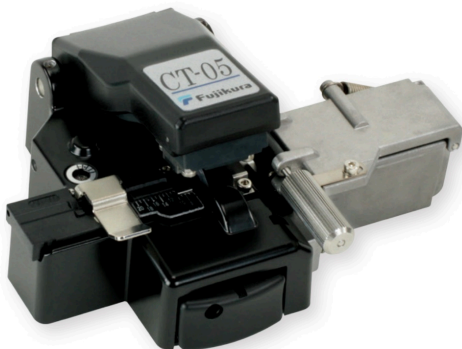
Data Sheet

August 13, 2026

FUJIKURA

Fujikura CT-05 SM MM High Precision Single Fiber Cleaver

Fujikura CT-05 High Precision Single Fiber Cleaver The Fujikura CT-05 series is a compact high-precision single-fiber optical cleaver for FTTH and splicing preparation. Circular blade sliding and simple fiber placing deliver average cleave angles of 1.0° or less on SM fiber with a blade life of 48,000 fibers ($1,000 \times 3$ heights $\times$ 16 positions). The Fujikura CT-05 series is a compact high-precision single-fiber optical cleaver for FTTH and splicing preparation. Circular blade sliding and simple fiber placing deliver average cleave angles of 1.0° or less on SM fiber with a blade life of 48,000 fibers ($1,000 \times 3$ heights $\times$ 16 positions).



MODEL

Fujikura CT-05

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

CT-05

LISTING

<https://aumictechlabs.com/products/ct-05-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fujikura CT-05 is a high-precision single-fiber cleaver for both single-mode (SM) and multimode (MM) conventional silica optical fibers. This manual tool delivers clean, low-loss cleaves essential for fiber splicing, connector installation, and field termination work. The CT-05 combines cost-effective operation with cleave quality comparable to more expensive instruments, making it a practical choice for labs and field technicians preparing fibers for fusion splicing or mechanical connector assembly. Technical Specifications Applicable Fiber Type: Conventional silica optical fiber Configuration: Single fiber, 125 μ m bare diameter Coating Diameter Range: 0.25

mm to 0.9 mm (250–900 μm) Cleave Length: Standard CT-05: 10 mm CT-05A with 250 μm coated fiber: 5 mm to 20 mm CT-05A with 900 μm coated fiber: 8 mm to 20 mm CT-05B: 16 mm (fixed length) Cleave Angle: $\leq 1.0^\circ$ average (single-mode fiber) Blade: 16-position circular blade, rated to 48,000 cleaves Operation: Single-step manual with integrated scrap collection Dimensions: 113.5 mm $\times$ 82 mm $\times$ 42 mm Weight: 225 g Key Features Multi-position blade design extends service life through rotating cutting surfaces and adjustable height increments Replaceable CB-05 blade maintains performance across extended service cycles Compact, portable form factor (4.5" $\times$ 3.2" $\times$ 1.7") suitable for field deployment No electrical power required - mechanical operation ensures reliability in any environment Typical Applications Field-installable connector preparation Mechanical splice assembly Fiber termination in laboratory and field settings Pre-splicing fiber conditioning for fusion splicing equipment Compatibility & Integration The CT-05 accepts optional fiber plates (AD-10, AD-30B) and holders (FH-50-250, FH-50-900, FH-60-250, FH-60-900) for enhanced versatility. It integrates directly with Fujikura fusion splicer models FSM-60S, FSM-18S, and FSM-11S series, as well as third-party splicing equipment. Standard package includes carrying case CC-28, hexagonal wrench HEX-01, and instruction manual.

Features & description

From manufacturer datasheet

Features

- Dedicated single-fiber cleaving
- Blade life 48,000 fibers
- Average cleave angle $\leq 1.0^\circ$ SM
- CT-05 / CT-05A / CT-05B plate variants
- Compact 72 × 82 × 42 mm; 180 g
- Circular blade with height and position indexing

Applications

- Single-fiber cleaving for fusion splicing
- FTTH / premises fiber preparation
- Field and bench cleaving with fiber holders or plates
- Cost-effective replacement for older single-fiber cleavers

05 Characteristics / Specifications

PARAMETER	VALUE
Model	CT-05
Manufacturer	Fujikura
Instrument Type	High Precision Single Fiber Cleaver
Series	CT-05 / CT-05A / CT-05B
Applicable Fiber	Conventional silica optical fiber
Fiber Count	Single fiber
Bare Fiber Diameter	125 μm
Coating Diameter	250 to 900 μm
Cleave Angle Average	1.0 degree or less (single-mode fiber)
Blade Life	48,000 fibers (1,000 × 3 heights × 16 positions)
Blade Model	CB-05 class
Compatible Fiber Holders	FH-100-250 to 900; FH-50/60-250/900
Dimensions	72 × 82 × 42 mm
Weight	180 g
Carrying Case	CC-28
Standard Tool	HEX-01 hexagonal wrench Notes Specs from Fujikura CT-05 series leaflet. Confirm CT-05 vs CT-05A/B plate configuration on the unit.

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.

Specifications	
Specifications	
PARAMETER	VALUE
Model	CT-05
Manufacturer	Fujikura
Instrument Type	High Precision Single Fiber Cleaver
Series	CT-05 / CT-05A / CT-05B
Applicable Fiber	Conventional silica optical fiber
Fiber Count	Single fiber
Bare Fiber Diameter	125 μm
Coating Diameter	250 to 900 μm
Cleave Length CT-05: 10 mm	
Cleave Length CT-05A with AD-10: 6-20 mm (250 μm); 8-20 mm (>250 μm)	
Cleave Length CT-05B with AD-30B: 16 mm fixed	
Specifications	
PARAMETER	VALUE
Cleave Angle Average	1.0 degree or less (single-mode fiber)
Blade Life	48,000 fibers (1,000 × 3 heights × 16 positions)
Blade Model	CB-05 class
Fiber Placing CT-05: Fiber holder	
Fiber Placing CT-05A: Fiber plate AD-10	
Fiber Placing CT-05B: Fiber plate AD-30B	
Specifications	
PARAMETER	VALUE
Compatible Fiber Holders	FH-100-250 to 900; FH-50/60-250/900
Dimensions	72 × 82 × 42 mm
Weight	180 g
Carrying Case	CC-28
Standard Tool	HEX-01 hexagonal wrench

Notes

Specs from Fujikura CT-05 series leaflet. Confirm CT-05 vs CT-05A/B plate configuration on the unit.

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.