

*Advanced Optical Fiber Cleaver*

# CT110/111

*Automatic cleaving with high quality*



**CT111  
(with Angled-Cleaving Function)**

**CT110**

*Cleaving tension  
automatic setting*



Automatic cleaving tension function can tension and can save your optimization.

*Blade position  
automatic changing*



A new blade mechanism controls blade height automatically. It keeps good blade condition to obtain stable cleaving quality.

*Wireless communication  
By RFID*

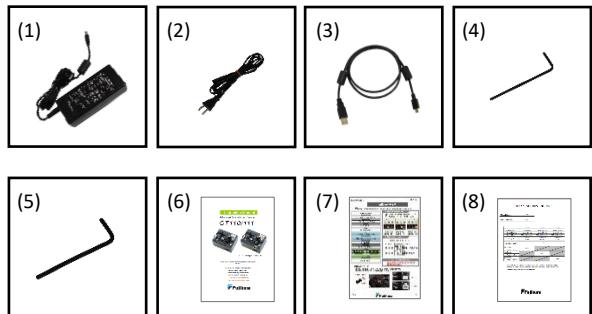


RFID tag equipped to the fiber holder communicate with CT110/CT111 and choose proper cleaving program(\*1)

(\*1) It is necessary to set the fiber holder to be used and the cleaving program to the in advance using the attached PC software.

## Standard Package

Item	Model	Qty
Advanced Optical Fiber Cleaver	CT110 , CT111	1 pc
(1) AC Adapter	ADC-21	1 pc
(2) AC Power Cord	ACC-08, 09, 10, 11 or 12	1 pc
(3) USB Cable	USB-01	1 pc
(4) Hexagonal Wrench	HEX-01	1 pc
(5) Hexagonal Wrench	HEX-02	1 pc
(6) Instruction Manual	-	PDF file stored in Cleaver
(7) Quick Reference Guide	QRG-11-E or J	1 pc
(8) Cleave test report	CR-CT110	1 pc



## Specifications

Item	Specification	
Model	CT110	CT111
Applicable fiber	Fiber type	Silica fiber
	Fiber count	Single fiber
	Cladding dia.	80 to 250μm
	Coating dia.	81 to 2,000μm
Applicable fiber holder	FH-100 series / FH110 series / FH-70 series *1	
Capability of setting range for tension*2	0 to 900gf	
Total fiber length*3	Approx.11~44mm	
Cleave angle *4	Avg 0.3°, Cladding dia. 125μm	
Fiber twister	-	Equipped
Angled Cleaving	-	Approx. 0° to 15° *5
Blade life	Approx.200,000 fiber Cleaves at Cladding dia. 250μm *6	
Physical description	Dimensions W	Approx. 140mm without projection
	Dimensions D	Approx. 106mm without projection
	Dimensions H	Approx. 103.5mm without projection
	Weight	Approx. 810g without battery
Power supply	AC adaptor	Input : AC100 to 240V, 50/60Hz, Max. 1.5A Output : Approx. DC 19V, Max. 2.1A
	Battery	4 pieces of dry battery (ANSI AA / IEC LR6) Number of cleaving with battery: Approx. 500 fiber cleaves with standard 125μm at 25°C.
Interface	PC	USB2.0 Mini B type *7
	Ground point	Applicable by M3 size truss screw.
Wireless communication	RFID	Compliant with ISO 15693 *7
Firmware	Cleave mode	10 Cleave modes can be saved in the device.
		3 Cleave mode can be selected by the switch in the device.
Environmental condition	Temperature	Operate : 0 to 40 °C Storage : -40 to 80 °C
	Humidity	Operate : 0 to 95%RH non-condensing Storage : 0 to 95%RH non-condensing
Other Features	Automatic functions	Auto cleave mode select by RFID tag
		Motorized blade position change
		Motorized auto tension setting
	Coating adjuster	Coating position adjustment mechanism after cleaving *8
	Software for PC	Firmware update via internet
		Cleaving parameter upload and download



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<https://www.optic-product.fujikura.com/>

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## Options

Item	Model	Remark
Blade for Replacement	CB-06A	Blade for Replacement
Holder Adapter Plate	AD-CT110-FH70	Fiber Holder Adapter for FH-70
	FH110-60	60μm Coating Diameter
	FH110-100	100μm Coating Diameter
	FH110-125	125μm Coating Diameter
	FH110-150	150μm Coating Diameter
	FH110-180	180μm Coating Diameter
	FH110-210	210μm Coating Diameter
	FH110-250	250μm Coating Diameter
	FH110-300	300μm Coating Diameter
	FH110-350	350μm Coating Diameter
	FH110-400	400μm Coating Diameter
	FH110-500	500μm Coating Diameter
	FH110-600	600μm Coating Diameter
	FH110-700	700μm Coating Diameter
	FH110-800	800μm Coating Diameter
	FH110-900	900μm Coating Diameter
	FH110-1000	1000μm Coating Diameter
	FH110-1100	1100μm Coating Diameter
	FH110-1200	1200μm Coating Diameter
	FH110-1300	1300μm Coating Diameter
	FH110-1400	1400μm Coating Diameter
	FH110-1500	1500μm Coating Diameter
	FH110-1600	1600μm Coating Diameter
	FH110-1700	1700μm Coating Diameter
	FH110-1800	1800μm Coating Diameter
	FH110-1900	1900μm Coating Diameter
	FH110-2000	2000μm Coating Diameter

### Note

\*1 Holder Adapter Plate (AD-CT110-FH70) is necessary to use FH-70 series.

\*2 There are some cases that the set tension is different from the actual tension.

\*3 Cleave length means distance between end surface of the fiber holder edge and end surface of the cleaved fiber.

\*4 Measured with an interferometer at room temperature, not with a splicer.  
The average cleave angle changes depending on the environmental conditions, blade condition, operating method, and cleanliness.

\*5 Maximum cleaved angle changes depending on the fiber type cleaved and clamp position.

\*6 Support 10,000 cleaves per position at cladding dia. 250μm.  
20pos. X 10,000 cleaves = 200,000 cleaves

The blade life changes depending on the environmental conditions, operating method, and the fiber type cleaved.

\*7 Unavailable with battery.

\*8 Supported Cladding dia.is 81 to 900μm.