High Quality Optical Fiber Cleaver

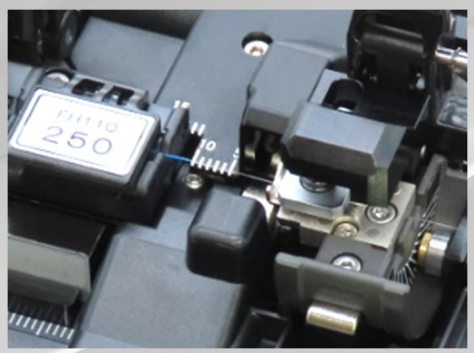
CT110/CT111

Automatic cleaving with high quality

CT111
(with angled cleaving function)

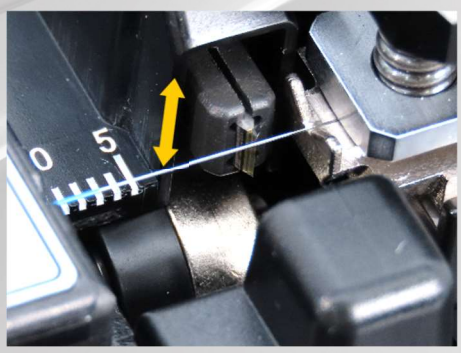
CT110

Automatic cleaving tension



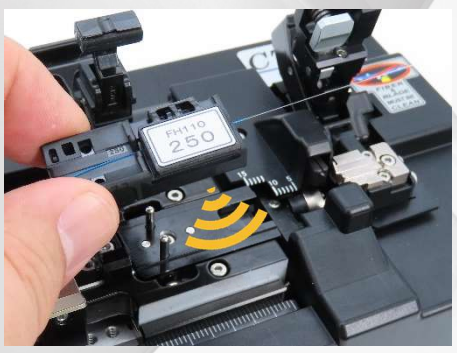
Automatic cleaving tension function for an optimised user experience.

Automatic blade position change



Automatic control of the blade height ensures optimal blade ccondition to and consistent cleave quality.

Wireless RFID communication



RFID-equipped fibre holder allows the CT110/CT111 to select appropriate cleaving programme.[1]

[1] *It is necessary to set the fibre holder to be used and the cleaving program in advance using the attached PC software.*

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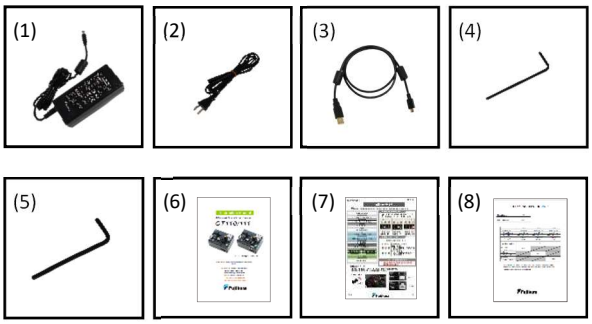
Standard Package

Item	Model	Qty
Large Diameter 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. 250um *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	Approx. 850g 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. 250 fiber cleaves with standard 125µm at 25℃.	
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 ℃	
		Storage : -40 to 80 ℃	
	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	

Options

Item	Model	Remark
Blade for Replacement	CB-06A	Blade for Replacement
Holder Adapter Plate	AD-CT110-FH70	Fiber Holder Adapter for FH-70
Fiber Holder	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 form 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.

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https://www.fusionsplicer.fujikura.com

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