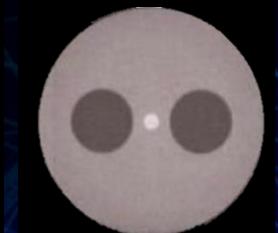
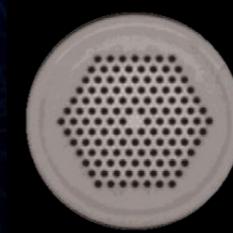
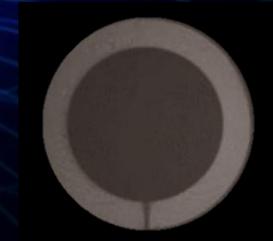
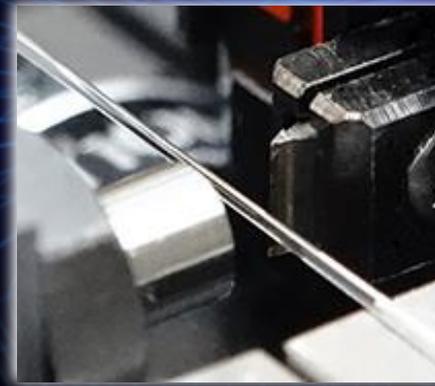


Large Diameter Optical Fiber Cleaver

CT-104+/105+/106+

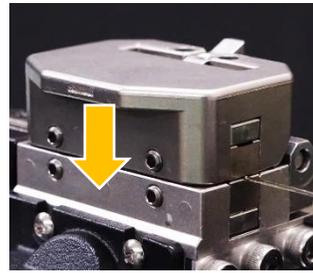
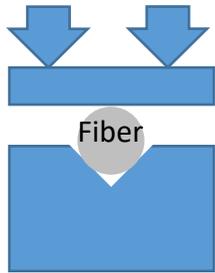
Constantly Improving



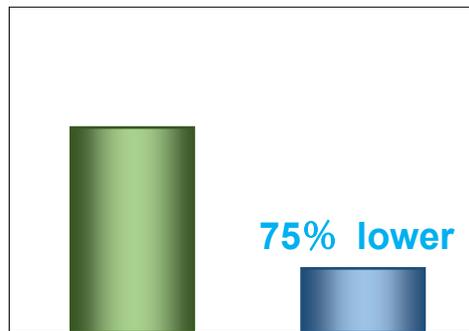
Advanced Functions

New clamping force detection system (CT-105+/106+ only)

The optimal fiber clamping force will minimize the clamping force against proof tension to reach the best cleave angles. Optical fiber structure and coating material can influence these results. The CT-105+/106+ have a new function that can detect the optimal clamping force automatically. With this function, it is not necessary to consume the fiber to optimize the clamping force. This system is also much faster than the previous method.

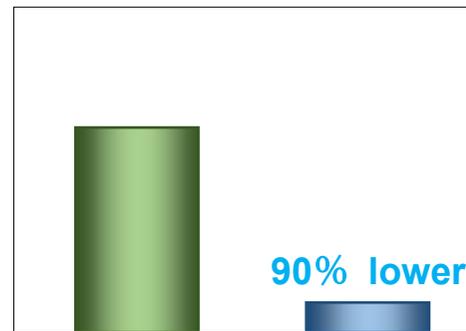


Auto Clamp Force Optimization



CT-105 CT105+

**Optimizing Time
of Clamp Force**

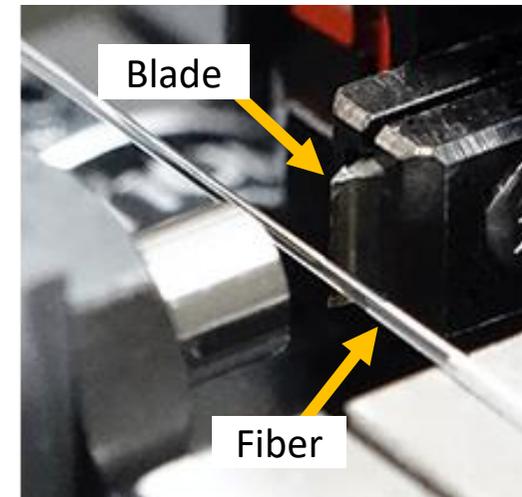


CT-105 CT105+

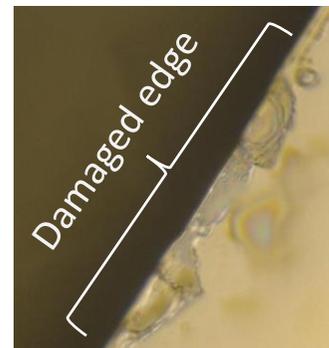
**Amount of Fiber
Consuming**

Long blade life

The New CB-06A blade material improvements have increased the blade life dramatically. CB-06A is compatible with previous, CT-105 series models.



**Previous blade
CB-06**



**New blade
CB-06A**



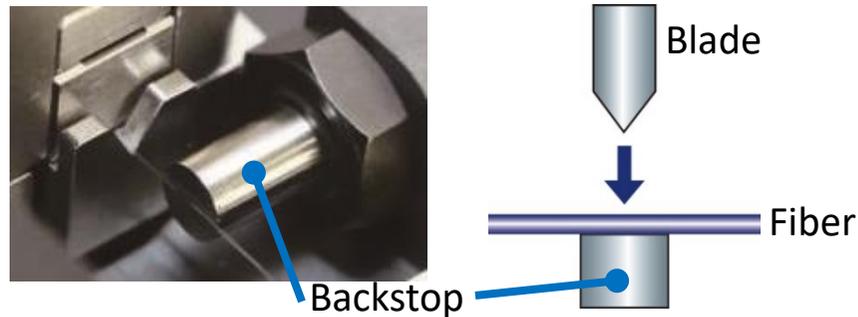
Blade edge after cleaving 250um fiber 10000 times

*Blade life depend on the cladding properties of the fiber being cleaved

Useful functions

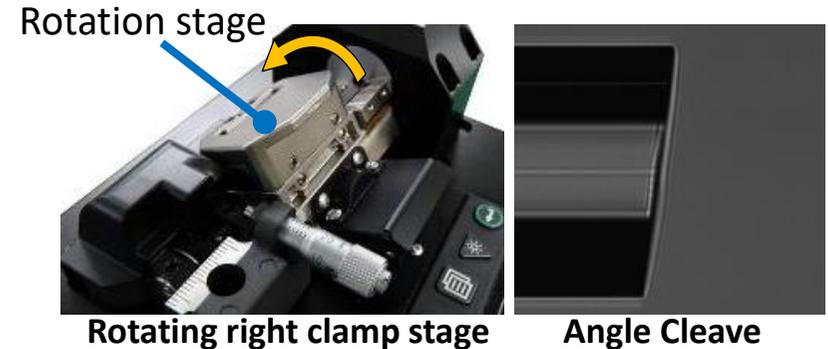
Micrometer backstop

Micrometer backstop can improve cleave quality especially for large-diameter fibers and for applying lower tension fibers. CT-105+ series is equipped with a micrometer backstop as a standard feature.



Angle cleave (only for CT106+)

CT-106+ achieves angled cleaves by applying torsion with a rotating right clamping stage in accordance with the target angle. Angled cleaving range is from 0 to 15 degrees, possible fibers is up to 800µm.



Fiber holder adapter (OPTION)

Fiber holder adapter, AD-CT105-FH100, support the transfer of fiber from the cleaver to the fusion splicer smoothly without removing the fiber from the fiber holder system.

Applicable Fiber Holder : FH-100-xxx series for FSM-100 series



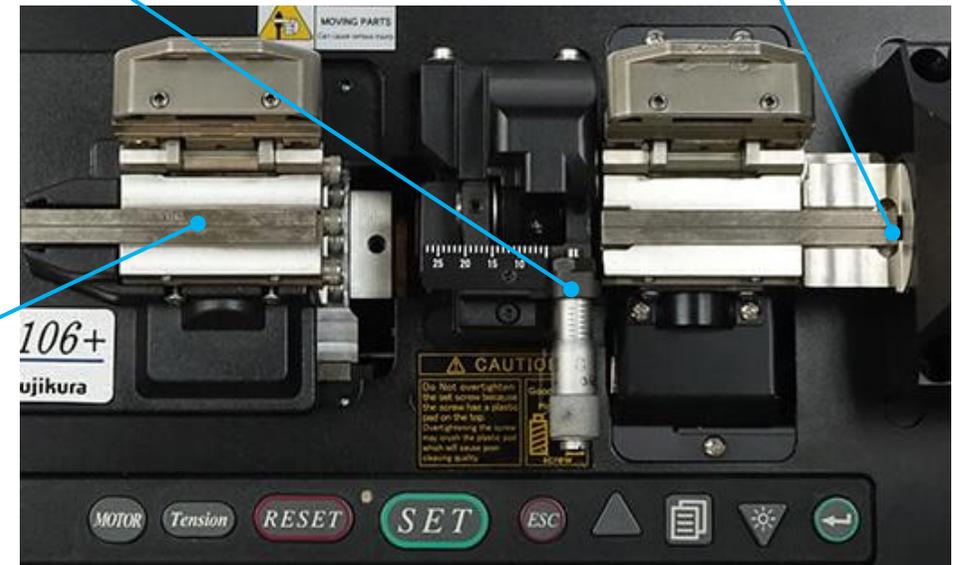
AD-CT105-FH100



CT105+series



FSM-100 series



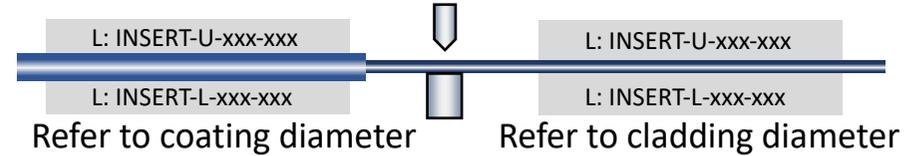
Insert Option Guide

The standard items for the CT-105+ series DO NOT include upper and lower inserts for clamping fibers. Referring to the below size table, please order both upper and lower inserts together.

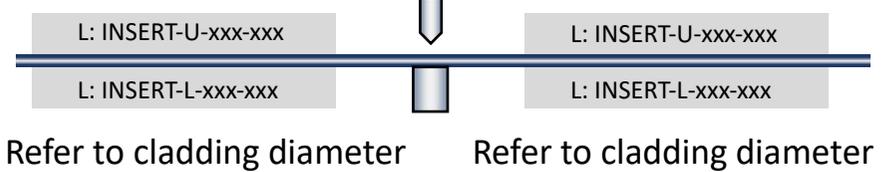
How to select the appropriate size inserts

The number in the table shows the applicable diameter [μm] of cladding or coating. It is necessary to select the insert size based on fibers diameters. At first, try the size of navy colored cell.

Case1: Cleaving coating stripped fiber



Case2: Cleaving glass rod

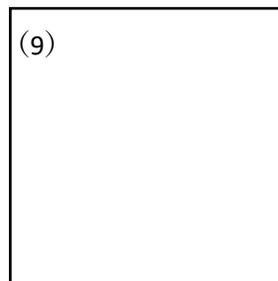
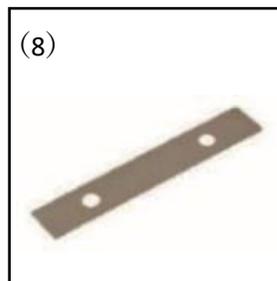
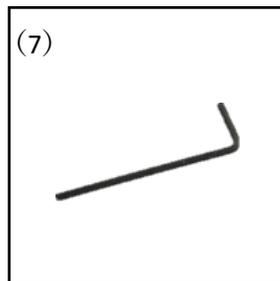
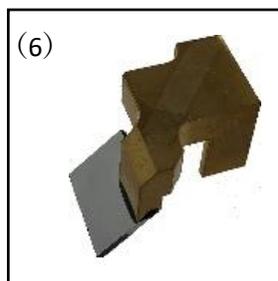
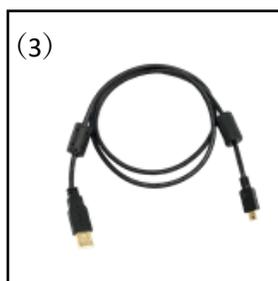
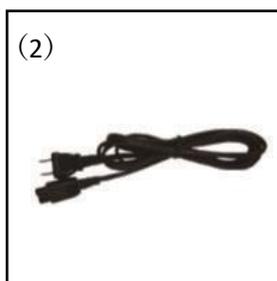


UPPER INSERT LOWER INSERT		INSERT-U- 80-400	INSERT-U-500-750 *1		INSERT-U-1000-1250 *1		INSERT-U-1500-1750 *1		INSERT-U-2000-2250 *1		INSERT-U-2500-3000 *1	
			Size 500	Size 750	Size 1000	Size 1250	Size 1500	Size 1750	Size 2000	Size 2250	Size 2500	Size 3000
INSERT-L-80		54-107										
INSERT-L-125		84-167										
INSERT-L-160		105-213										
INSERT-L-250		167-333										
INSERT-L-400		267-533	400-533									
INSERT-L-500-750 *1	Size 500	334-667	467-667	550-667								
	Size 750		634-868	717-1000	787-1000							
INSERT-L-1000-1250 *1	Size 1000			884-1118	954-1188	1037-1272						
	Size 1250				1120-1355	1204-1438	1287-1522					
INSERT-L-1500-1750 *1	Size 1500					1370-1605	1454-1688	1537-1772				
	Size 1750						1620-1855	1704-1938	1780-2015			
INSERT-L-2000-2250 *1	Size 2000							1870-2105	1947-2288	2030-2265		
	Size 2250								2114-2348	2197-2432	2280-2515	
INSERT-L-2500-3000 *1	Size 2500									2364-2598	2447-2682	2614-2848
	Size 3000										2780-3015	2947-3182

*1: Each side of this insert is equipped with a groove that is marked with the size of the fiber diameter on table.

Standard Package

Description	Model	Qty
Large Diameter Optical Fiber Cleaver	CT105+ or CT106+ or CT104+	1pc
(1) AC Adapter	ADC-19A	1pc
(2) AC Power Cord	ACC-xx	08: Japan, 09: USA, 10: UK, 11: EU, 12: Australia
(3) USB Cable	USB-01	1pc
(4) Instruction Manual	M-CT105+	1pc
(5) Technical Reference	TR-CT105-E	1pc
(6) Fiber Height Checking Mirror	CM-CT105	1pc
(7) Hexagonal Wrench	HEX-01	1pc
(8) Height Adjusting Spacer	SPA-CT105-30 (30 μm)	3pc
	SPA-CT105-50 (50 μm)	3pc
	SPA-CT105-100 (100 μm)	3pc
(9) Screw for Insert	SCREW-CT-01	1set (15pcs)



CT105+



CT106+



CT104+

Specifications

Description		CT105+	CT106+	CT104+
Applicable optical fiber	Fiber type	Glass optical fibers, capillary		
	Fiber count	Single fiber		
	Cladding diameter	Approx. 80 to 1,250 μm		Approx. 80 to 600 μm
Applicable coating	Coating diameter	Approx. 160 to 3,000 μm		
Fiber clamping		Automatic clamping		Manual clamping
Cleaving length		5 to 40mm		
Cleaving angle (reference)*1		Less than Average 0.2 degrees (Cladding diameter 125 μm)		
		Less than Average 0.3 degrees (Cladding diameter 400 μm)		
		Less than Average 1.0 degrees (Cladding diameter 1,000 μm)		Less than Average 0.4 degrees (Cladding diameter 600 μm)
Angled cleaving		-	0-15 degrees (up to 800 μm cladding fiber)	-
Blade life		Approx. 100,000 fiber cleaves (Cladding diameter 250 μm)		
Number of cleaving mode		100 cleaving modes		
Language		English/Japanese		
Monitor		4.7 inches color LCD		
Physical description	Dimensions W	Approx. 240mm	Approx. 240mm	Approx. 240mm
	Dimensions D	Approx. 134mm	Approx. 134mm	Approx. 134mm
	Dimensions H	Approx. 155mm	Approx. 163mm	Approx. 155mm
	Weight	Approx. 3.5kg	Approx. 3.8kg	Approx. 3.4kg
Power supply	AC adapter	AC adapter : ADC-19A		
	Input	AC100 to240 V (50 to 60Hz) (Max. 20W)		
Environmental condition	Temperature	Operate : 0 to 50 degreeC		
		Storage : -40 to 80 degreeC		
	Humidity	Operate : 0 to 95%RH non-condensing		
		Storage : 0 to 95%RH non-condensing		
Interface	PC	USB2.0 (Mini-B type) for PC communication		

*1 : 125μm, 400 μm : Interferometer 600μm, 1,000 μm : Fusion splicer

Options

Item	Model	
Blade for Replacement	CB-06A	
Upper Insert	INSERT-U-xxx-xxx	
Lower Insert	INSERT-L-xxx-xxx	
Insert Set 80-1750 μm	INSERT-SET-80-1750	
Height Adjusting Spacer (10 piece pack)	30μm	SPA-CT-105-30-10SET
	50μm	SPA-CT-105-50-10SET
	100μm	SPA-CT-105-100-10SET
Fiber Holder Adapter	AD-CT105-FH100	
Torque Driver(only for CT-104)	TD-01	



Please visit our web site!

<https://www.fusionsplicer.fujikura.com>

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