

CT-105/CT-106



CT-106



CT-105

Large Diameter Optical Fiber Cleaver

CT-105/CT-106



- Applicable up to 1,250 μm diameter
- Fibers automatic clamping system
- Up to 100 program modes can be stored
- The CT-106 also provides an Angle cleaving function

CT-105/CT-106

When exceptional cleave quality is required for fibers up to 1,250 μm the new CT-105/CT-106 cleaver family will provide both flat and angled cleaves that rival anything available on the market today. The extensive programming features allow the user to take control for optimal results. The ability to then store those parameters insure consistent results.

Automatic Clamp Function

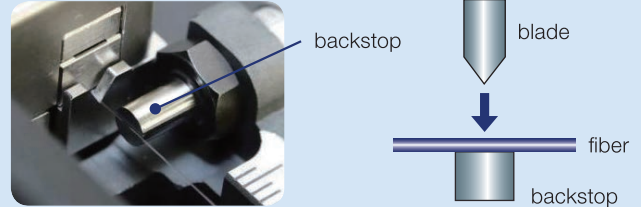
Clamping optical fiber with programmable force automatically. No compressed air or torque wrenches required.



Always adequate clamping force

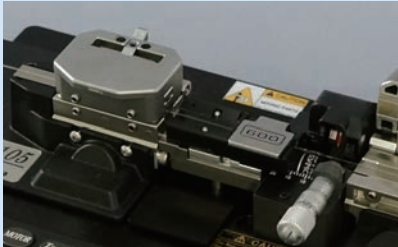
Backstop as Standard Item

A back stop is important for cleaving both very small and large diameter fibers. This is standard on all CT-105/CT-106.



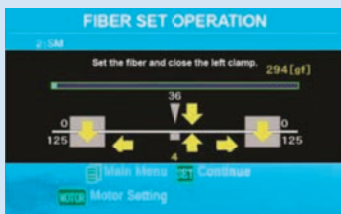
Fiber holder adapter (OPTION)

Fiber holder for fusion splicer FSM-100series, FH-100-XXX, are available



Color LCD Monitor

LCD shows the cleaving progress and recommended insert size depending on fiber coating and cladding diameter.



USB Communication

Saving and restoring cleaving programs to a PC/Tablet is also possible.



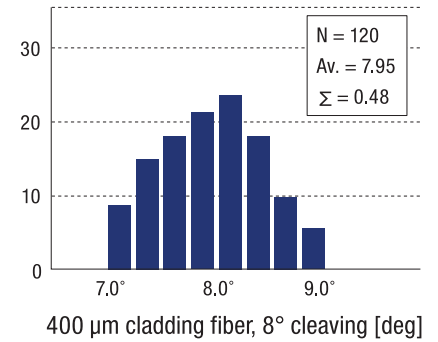
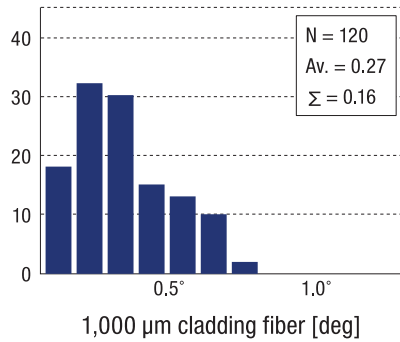
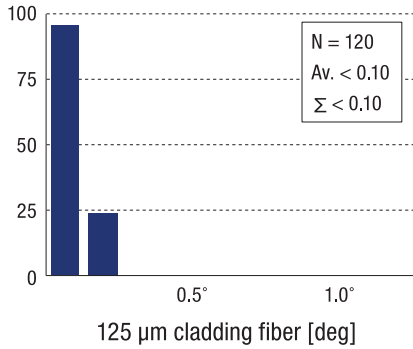
Angled Cleaving

Angled cleaving from 0-15° are possible for fibers up to 800 μm . (only for CT-106)

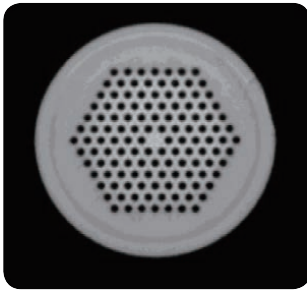


Cleaving Performances

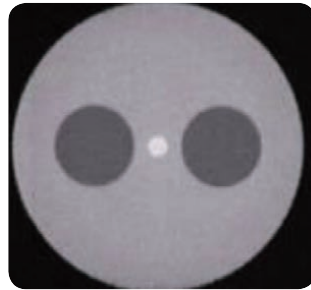
Cleaving Angle



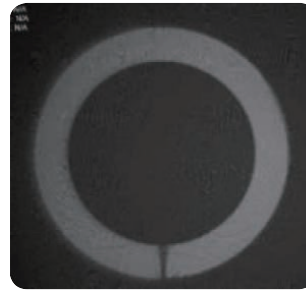
Cleaving Surface



PCF
(NKT Photonics)



PMF



Capillary 1,100 μm / 800 μm



1,000 μm diameter fiber Interference microscope image 1 stripe = 0.01°

OPTIONAL PARTS SELECTION GUIDE - INSERT

Standard item DOES NOT include upper and lower insert. Referring the size table, please order both upper and lower insert.

	INSERT-U-80-400	INSERT-U-500-750		INSERT-U-1000-1250		INSERT-U-1500-1750		INSERT-U-2000-2250		INSERT-U-2500-3000	
		500	750	1000	1250	1500	1750	2000	2250	2500	3000
INSERT-L-80	60-100										
INSERT-L-125	90-160										
INSERT-L-160	115-200										
INSERT-L-250	180-300										
INSERT-L-400	280-500										
INSERT-L-500-750	500		475-700								
	750			675-900							
INSERT-L-1000-1250	1000				925-1150						
	1250					1125-1400					
INSERT-L-1500-1750	1500						1375-1700				
	1750							1675-1900			
INSERT-L-2000-2250	2000								1875-2200		
	2250									2175-2450	
INSERT-L-2500-3000	2500										2425-2750
	3000										

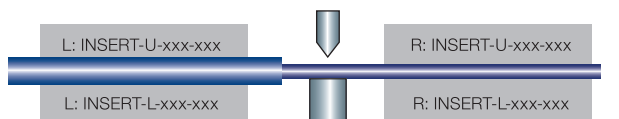
The number in the table shows the applicable diameter [μm]. It is necessary to move up or down in size based on specific fibers

How to find the adequate size inserts

The number in the table shows the applicable diameter [μm]. At first, try the size of navy cell.

Upper and lower insert are necessary for both left and right side clamp.

Case1: Cleaving coating stripped fiber

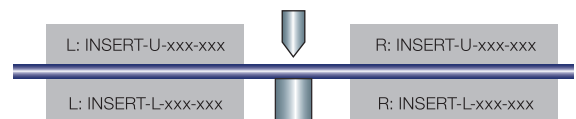


According to coating diameter

According to cladding diameter

Inserts according to both coating diameter and cladding diameter are necessary.

Case2: Cleaving glass rod



According to rod diameter

According to rod diameter

2 insert pairs of the same size according to rod diameter are necessary.

Fujikura CT-105/CT-106

SPECIFICATIONS

DESCRIPTION	CT-105	CT-106
Applicable optical fiber	Glass optical fibers, capillary	
Number of fibers	Single	
Cladding diameter	80-1,250 μm	
Coating diameter	160-3,000 μm	
Fiber clamping	Automatic clamping	
Cleaving length	5-40 mm	
Cleaving angle (reference)	Less than 0.25° (Cladding diameter 125 μm)	
	Less than 0.4° (Cladding diameter 400 μm)	
	Less than 0.75° (Cladding diameter 1,000 μm)	
Angled cleaving	—	0-15° (up to 800 μm cladding fiber)
Blade life	20,000 fibers (Cladding diameter 125 μm)	
Number of cleaving mode	Maximum 100	
Language	English/Japanese/chinese	
Monitor	4.7 inches color LCD	
Dimensions	240 (W) × 134 (D) × 155 (H) mm	240 (W) × 134 (D) × 162.5 (H) mm
Weight	3.5 kg	3.8 kg
Power supply	AC adapter : ADC-19 Input : AC100 to 240 V (50 to 60 Hz) (max. 20 W)	
Operation condition	0 to 95% RH and 0 to 40°C (non-dew)	
Storage condition	0 to 95% RH and -40 to 80°C (non-dew)	
Terminal	USB2.0 (Mini-B type) for PC communication	

STANDARD ITEMS

DESCRIPTION	MODEL NAME	CT-105	CT-106
Main body	CT-105	1	—
	CT-106	—	1
AC adapter	ADC-19	1	
AC power cord	ACC-xx	ACC-08:Japan -09:US -10:UK -11:EU -12:Australia	
Instruction manual CD	M-CT105	1	
Test report	—	1	
Hexagonal wrench	HEX-01	1	
USB cable	USB-01	1	
Height adjusting spacer	SPA-CT105-30 (30 μm)	3	
	SPA-CT105-50 (50 μm)	3	
	SPA-CT105-100 (100 μm)	3	

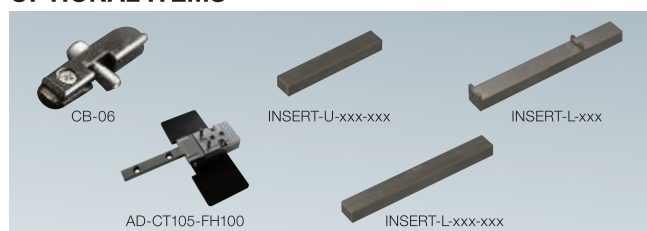
OPTIONAL ITEMS

DESCRIPTION	MODEL NAME
Blade for replacement	CB-06
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)	SPA-CT105-30 (30 μm)
	SPA-CT105-50 (50 μm)
	SPA-CT105-100 (100 μm)
Fiber holder adapter	AD-CT105-FH100

STANDARD ITEMS



OPTIONAL ITEMS



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Specifications and descriptions are subject to change without prior notice.

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