



CT-104



CT-105



CT-106

CT-104, CT-105 and CT-106 Fiber Cleavers

When exceptional cleave quality is required for fibers up to 1,250 μm , the new large diameter CT-104/CT-105/CT-106 cleaver family provides a variety of options depending on your needs. The color LCD shows cleaving progress and recommended insert size depending on fiber coating and cladding diameter. Saving and storing cleaving programs to a PC or tablet is accomplished using a USB port. The LDF cleaver's extensive programming features allow for optimal results.

Specifications

PARAMETER	CT-104	CT-105	CT-106
Applicable optical fiber	Glass optical fibers, capillary		
Number of fibers	Single		
Cladding diameter	80 - 600 μm	80 - 1,250 μm	
Coating diameter	160 - 3,000 μm		
Fiber clamping	Manual clamping with torque driver when required	Automatic clamping	
Cleaving length	5 - 40 mm		
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		
Monitor	4.7 inches color LCD		
Dimensions	240(W) \times 134(D) \times 155(H) mm		240(W) \times 134(D) \times 162.5(H) mm
Weight	3.4 kg	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	USB 2.0 (Mini-B type) for PC communication		

Ordering Information

DESCRIPTION	AFL NO.
CT-104 Large Diameter Optical Fiber Cleaver Includes: ADC-19 AC adapter, ACC-09 AC power cord, HEX-01 hex wrench, USB-01 USB Cable and M-CT104 instruction manual	S016417
CT-105 Large Diameter Optical Fiber Cleaver Includes: ADC-19 AC adapter, ACC-09 AC power cord, HEX-01 hex wrench, USB-01 USB Cable and M-CT105 instruction manual	S016076
CT-106 Angled Large Diameter Optical Fiber Cleaver Includes: ADC-19 AC adapter, ACC-09 AC power cord, HEX-01 hex wrench, USB-01 USB Cable and M-CT105 instruction manual	S016077

CT-104, CT-105 and CT-106 Fiber Cleavers

CT-104 Features

- 80 - 600 μm cladding diameter
- Manual clamping system
- Up to 100 stored program modes
- 20,000 cleaves per blade for 125 μm fiber
- Optional adapter for use with FH-100 series fiber holders
- Communication to a PC via USB

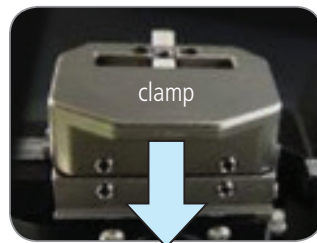


Angled Cleaving

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

CT-105 Features

- 80 - 1,250 μm cladding diameter
- Automatic clamping system
- Up to 100 stored program modes
- 20,000 cleaves per blade for 125 μm fiber
- Optional adapter for use with FH-100 series fiber holders
- Fiber backstop standard
- Communication to a PC via USB



Automatic Clamp Function

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

CT-106 Features

- 80 - 1,250 μm cladding diameter
- Automatic clamping system
- Up to 100 stored program modes
- Angled cleaving function (up to 15° on fibers up to 800 μm cladding diameter)
- 20,000 cleaves per blade for 125 μm fiber
- Optional adapter for use with FH-100 series fiber holders
- Fiber backstop standard
- Communication to a PC via USB



Backstop

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

Accessories

DESCRIPTION	AFL NO.
CB-06 Replacement Blade	S016078
AC adapter ADC-19	S015523
AC power cord ACC-09	S014390
Fiber Holder Inserts	
Master fiber holder insert kit (includes all available inserts listed below)	S016098
INSERT-L-80	S016085
INSERT-L-125	S016086
INSERT-L-160	S016087
INSERT-L-250	S016088
INSERT-L-400	S016089
INSERT-L-500-750	S016090

DESCRIPTION	AFL NO.
Fiber Holder Inserts (continued)	
INSERT-L-1000-1250	S016091
INSERT-L-1500-1750	S016092
INSERT-L-2000-2250	S016093
INSERT-L-2500-3000	S016094
INSERT-U-80-400	S016079
INSERT-U-500-750	S016080
INSERT-U-1000-1250	S016081
INSERT-U-1500-1750	S016082
INSERT-U-2000-2250	S016083
INSERT-U-2500-3000	S016084

DESCRIPTION	AFL NO.
Height adjusting spacer (10 piece pack)	
SPA-CT105-30 (30 μm)	S016095
SPA-CT105-50 (50 μm)	S016096
SPA-CT105-100 (100 μm)	S016097
Optional Items	
AD-CT105-FH100 Fiber Holder Adapter	S016450
TD-01 Torque Driver	S016738

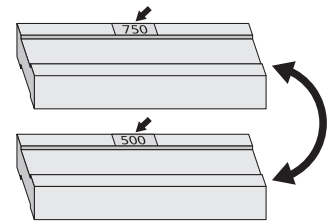
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Insert Selection Guide

	INSERT-U-80-400	INSERT-U-500-750		INSERT-U-1000-1250		INSERT-U-1500-1750		INSERT-U-2000-2250		INSERT-U-2500-3000	
		F	R	F	R	F	R	F	R	F	R
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	F	475-700									
	R		675-950								
INSERT-L-1000-1250	F			925-1150							
	R				1125-1400						
INSERT-L-1500-1750	F					1375-1700					
	R						1675-1900				
INSERT-L-2000-2250	F							1875-2200			
	R								2175-2450		
INSERT-L-2500-3000	F									2425-2750	
	R										2725-3175

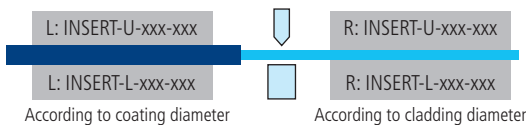
Upper and lower inserts can be changed up or down depending on required fiber fit into the V-groove.

Inserts 500 μm and above are double-sided. Therefore, the visible label when inserted indicates the size of the insert you are using.



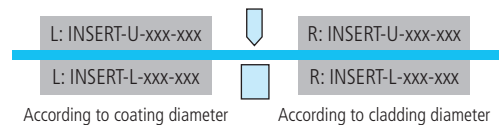
Upper and lower inserts are necessary for both left and right side clamps.

Case 1: Cleaving fiber with a coating



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

Case 2: Cleaving glass rod



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