



ORL

**ECO-LINE**

**MEDICAL ENDOSCOPY**  
**ENDOSCOPIA MEDICA**



# ECO LINE

## OTOSCOPE - OPTICA OTOLOGIA



	C0010	0°	φ2.7×105mm
	C0010.1B	0°	φ3×90mm
	C0010.1C	0°	φ3.3×90mm (Wireless)
	C0020	0°	φ2.7×45mm
C0030	0°	φ4×45mm	
	C0012	30°	φ2.7×105mm
	C0022	30°	φ2.7×45mm
	C0032	30°	φ4×45mm
	C0032.3	30°	φ4×45mm 2bar 134° Autoclavable
	C0013	70°	φ2.7×105mm
	C0023	70°	φ2.7×45mm
	C0033	70°	φ4×45mm

1. Connecting to TIANSONG light guide cable

Connecting to OLYMPUS light guide cable

Connecting to STORZ light guide cable

2. Connecting to WOLF light guide cable

3. Connecting to ACMI, STRYKER light guide cable



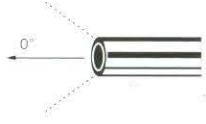
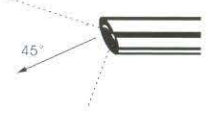
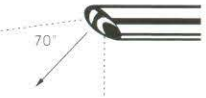
## MIDDLE EAR FORCEPS 70MM - PINZAS PARA OIDOS 70MM

<p>C2001 Punch head (head length 5mm)</p>	<p>C2002 Ring head (head length 5mm)</p>		
<p>C2003.1 Large triticeous head (head length 5mm)</p>	<p>C2003.2 Small triticeous head (head length 3.5mm)</p>		
<p>C2004 45° Cup head (head length 5mm)</p>	<p>C2005.1 Large cup head (head length 5mm)</p>		<p>C2005.2 Small cup head (head length 4mm)</p>
<p>C2006 Polyp scissors, straight (head length 4mm)</p>	<p>C2006.1 Polyp scissors, left curved (head length 4mm)</p>		<p>C2006.2 Polyp scissors, right curved (head length 4mm)</p>
<p>C2014 Malleus arch scissors left upward</p>	<p>C2015 Malleus arch scissors right upward</p>	<p>C2060 Malleus rongeur scissors</p>	<p>C2061 Malleus scissors</p>
<p>C2066 Olive head (head length 3.5mm)</p>	<p>C2067 Straight bowl (head length 3.5mm)</p>	<p>C2068 Triticeous head (head length 3.5mm)</p>	<p>C2069 Straight scissors (head length 3.5mm)</p>

# ECO LINE

## SINUSCOPE - OPTICAS ORL, 4,0MM



	B0110 0° $\phi$ 4×175mm, Wide angle B0210 0° $\phi$ 2.7×175mm, Pediatric B0310 0° $\phi$ 2.7×175mm, 134°C 2bar Autoclavable B0120 0° $\phi$ 4×175mm, 134°C 2bar Wide angle Autoclavable
	B0112 30° $\phi$ 4×175mm, Wide angle B0212 30° $\phi$ 2.7×175mm, Pediatric B0312 30° $\phi$ 2.7×175mm, 134°C 2bar Autoclavable B0122 30° $\phi$ 4×175mm, 134°C 2bar Wide angle Autoclavable
	B0016 45° $\phi$ 4×175mm B0016.1 45° $\phi$ 4×175mm, 134°C 2bar Autoclavable
	B0113 70° $\phi$ 4×175mm, Wide angle B0213 70° $\phi$ 2.7×175mm, Pediatric B0313 70° $\phi$ 2.7×175mm, 134°C 2bar Autoclavable B0123 70° $\phi$ 4×175mm, 134°C 2bar Wide angle Autoclavable

1. Connecting to FIEGERT light guide cable  
Connecting to OLYMPUS light guide cable  
Connecting to STORZ light guide cable



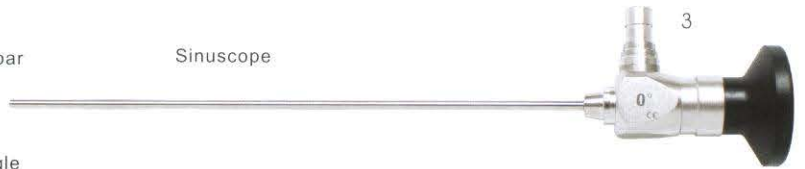
2. Connecting to WOLF light guide cable



3. Connecting to ACMI, STRYKER light guide cable



Sinuscope



## NASAL OPERATING FORCEPS - PINZAS NASALES PARA CIRUGIA



Nasal tissue forceps  
B2007.1 left-curved(Large)  
B2007.2 left-curved(Small)  
B2008.1 right-curved(Large)  
B2008.2 right-curved(Small)



Nasal biopsy forceps, straight  
 $\phi$ 3.5×110mm  
B2019



Nasal tissue forceps 145mm  
B2109 Open to left  
B2110 Open to right



Nasal foreign body forceps,  
without hook 110mm  
B2028



Nasal foreign body forceps,  
with hook 110mm  
B2029



Nasal biopsy forceps  
 $\phi$ 3.5×110mm  
B2020



Nasal biopsy forceps, curved  
 $\phi$ 3.5×110mm  
B2021



Nasal grasping forceps 105mm  
B2043 Downward 90° ,open to back 120°  
B2043.2 Upward 90° ,open to back 120°



Nasal grasping forceps 105mm  
B2043.1 Long curved, downward 115°  
B2043.3 Long curved, upward 115°

## Naso-Pharyngo-Laryngo-Fiberscope "SILVER-LINE"



(1)



(2)



(3)



### Technische Daten:

- Durchmesser Ø 3,4 mm
- Nutzlänge 30 cm
- Abwinkelung auf-/abwärts 150°
- Blickrichtung 0°
- Bildwinkel 70°
- Schärfebereich 1-50 mm
- Gas sterilisierbar
- einlegbar

### - inklusive Standard-Zubehör:

- Transportkoffer (1)
- ETO-Kappe für Druckausgleich (2)
- Dichtigkeitstester (3)
- Gebrauchsanweisung

Art.-Nr. 800.3800

### Technical Data:

- Diameter Ø 3,4 mm
- Working length 30 cm
- Angulation up-/downward 150°
- Direction of view 0°
- Field of view 70°
- Depth of field 1-50 mm
- Gas sterilisation
- soakable

### - inclusive Standard-Accessories:

- Transport suitcase (1)
- ETO-Cap for pressure compensation (2)
- Leakage tester (3)
- Instructions manual

Ref.-No. 800.3800



## CT 300 - 1-Chip-CCD-Camera, Low-Cost-Model



**Mikro-Kamera CT 300  
ohne Kontrolleinheit  
für Diagnostik in Arthroskopie / HNO**

Micro-Camera CT 300  
without control unit  
for diagnostics in Arthroscopy / ENT

TV-System	Ref.-No.
PAL	179.0300.P
NTSC	179.0300.N

### TECHNISCHE DATEN

Bild 1/3" Interline Transfer CCD  
Pixel PAL 752(H) x 582(V) / NTSC 786(H) x 494 (V)  
Spannung DC 12 V  
Schwarzer Stecker: Netzanschluss (zum Trafo)  
Gelber Stecker: Video-Anschluss  
Schwarzer Druckknopf: Kaltlicht, blau  
Roter Druckknopf: Warmlicht, rot

Erforderliches Zubehör:  
Art.-No. 179.0300.T Trafo, 110-240V / 12 V/DC 1A  
Art.-No. 179.0300.V Verbindungskabel z. Monitor

Hergestellt und geprüft nach: CE

### TECHNICAL DATA

Image 1/3" Interline Transfer CCD  
Pixel PAL 752(H) x 582(V) / NTSC 786(H) x 494 (V)  
Supply voltage DC 12 V  
Black plug: D/C connector (to transformer)  
Yellow plug: Video connector  
Black button: Coldlight, blue  
Red button: Warmlight, red

Necessary Accessories:  
Art.-No. 179.0300.T Trafo, 110-240 V / 12 V/DC 1A  
Art.-No. 179.0300.V Connecting-cable to Monitor

Produced and tested acc.: CE

# ECO LINE



## OTOSCOPY INSTRUMENTS - INSTRUMENTOS PARA OTOLOGIA



- |   |   |   |   |
|---|---|---|---|
| <br>Curette, straight and blunt mouth<br>C2016.1 $\phi$ 4mm<br>C2016.2 $\phi$ 3mm<br>C2016.3 $\phi$ 2mm | <br>Curette, curved and blunt mouth<br>C2017.1 $\phi$ 4mm<br>C2017.2 $\phi$ 3mm<br>C2017.3 $\phi$ 2mm | <br>Curette, straight and sharp mouth<br>C2018.1 $\phi$ 4mm<br>C2018.2 $\phi$ 3mm<br>C2018.3 $\phi$ 2mm | <br>Curette, curved and sharp mouth<br>C2019.1 $\phi$ 4mm<br>C2019.2 $\phi$ 3mm<br>C2019.3 $\phi$ 2mm |
| <br>C2058 Auditory lamellate knife<br>straight 160mm<br>(head width 2.5mm)                              | <br>C2059.1 45°<br>Auditory lamellate knife<br>angled 2.5mm, 160mm                                    | <br>C2059.2 45°<br>Auditory lamellate knife<br>angled 2mm, 160mm  | <br>Micro ear hook (160mm)<br>C2062.1 头长0.3mm<br>C2062.2 头长0.6mm<br>C2062.3 头长1mm                     |
| <br>C2064 Micro ear needle, straight  | <br>C2065 Micro ear needle, curved  |   |   |



Cerumen hook, bayonet shaped  
 C2051.1 2mm blade width 2mm  
 C2051.2 4mm blade width 4mm



Periosteotome, half-moon blade  
 C2040 Bayonet shaped  
 C2042 Angle shaped

Periosteotome, triangular blade  
 C2041 Bayonet shaped  
 C2043 Angle shaped

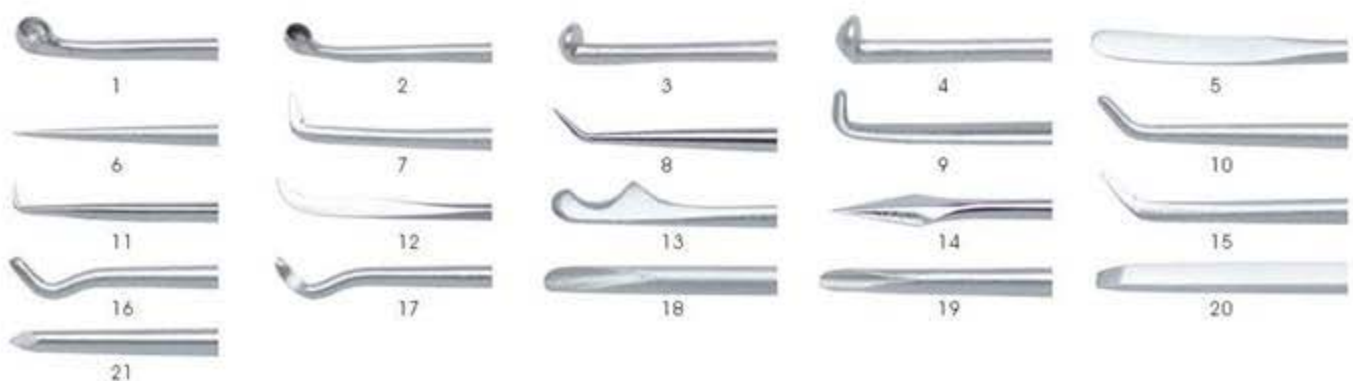
Cerumen hook  
 C2053 curved  
 C2079 45° head curved.



**C2080 Micro cerumen hook, 9pcs** - *Micro Ganchos Cerumen, 9pcs*



**C2074 Micro cerumen hook, 21pcs** - *Micro Ganchos Cerumen, 21pcs*



## ECO LINE

### SHAVER SYSTEM

RESURADOR PARA OTOLOGIA



B3101 Control unit with pump

B3102 Foot pedal, programmable

C3201 Otology handpiece motor without brush



C3202 Straight joint



C3203 Curved joint



Standard straight shaft burrs



C3204 Water pipe



C3306  
φ2×70mm



C3307  
φ3×70mm



C3308  
φ4×70mm



C3309  
φ5×70mm



C3310  
φ6×70mm

### WZ-3 SHAVER SYSTEM - RESURADOR WZ-3 PARA OTOLOGIA

C3304 Control unit

C3305 Foot pedal

C3301 Otology handpiece motor with brush



Straight joint

C3302 70mm  
C3302.1 90mm  
C3302.2 125mm



Curved joint

C3303 70mm  
C3303.1 90mm  
C3303.2 125mm



Standard straight shaft burrs



C3306  
φ2×70mm



C3307  
φ3×70mm



C3308  
φ4×70mm



C3309  
φ5×70mm



C3310  
φ6×70mm

# ECO LINE

## OTOSCOPY INSTRUMENTS - INSTRUMENTOS PARA OTOLOGIA



C2056 Headlight



C2056.3 Headlight, LED high brightness, with charger



C2056.2 Light guide cable for headlight  
φ3×2500mm



T5010 Light guide cable  
φ4.5×2000mm



Standard straight shaft burrs

- |                 |                  |                  |
|-----------------|------------------|------------------|
| C3308.1 φ2×90mm | C3309.1 φ5×90mm  | C3307.2 φ3×125mm |
| C3307.1 φ3×90mm | C3310.1 φ6×90mm  | C3308.2 φ4×125mm |
| C3308.1 φ4×90mm | C3308.2 φ2×125mm | C3309.2 φ5×125mm |
|                 |                  | C3310.2 φ6×125mm |



Diamond straight shaft burrs

- |               |                 |                 |
|---------------|-----------------|-----------------|
| C3311 φ2×70mm | C3314 φ5×70mm   | C3312.1 φ3×90mm |
| C3312 φ3×70mm | C3315 φ6×70mm   | C3313.1 φ4×90mm |
| C3312 φ4×70mm | C3311.1 φ2×90mm | C3314.1 φ5×90mm |
|               |                 | C3315.1 φ6×90mm |



C1001 Otoscopy sheath



C2077  
Suction head φ1.5×30mm



Tweezers, bayonet shaped  
C2049 160mm, C2049.1 200mm  
C2049.2 160mm head with hook  
C2049.3 195mm head with hook



Tweezers, knee shaped  
C2050 110mm  
C2050.1 110mm head with hook



C2055 Cotton applicator



C2055.1 Cotton applicator, spring handle



Spiral head

Triangular head



Spiral head

Triangular head

# ECO LINE

## OTOSCOPY INSTRUMENTS INSTRUMENTOS PARA OTOLOGIA



C2038 Mastoid retractor(fixed) 130mm



C2039 Mastoid retractor(active) 160mm



C2044 Polyp scissors 140mm



C2045 Polyp snare



Ear bone chisel, round blade

- C2020.1 head width 2.6mm
- C2020.2 head width 2.8mm
- C2020.3 head width 3mm
- C2020.4 head width 3.2mm
- C2020.5 head width 3.4mm
- C2020.6 head width 3.6mm
- C2020.7 head width 3.8mm



Ear bone chisel, flat blade

- C2021.1 head width 4mm
- C2021.2 head width 4.4mm
- C2021.3 head width 4.8mm



Mastoid chisel

- C2032.1 head width 5mm
- C2032.2 head width 4mm
- C2032.3 head width 3mm



Mastoid gouge

- C2033.1 head width 4.5mm
- C2033.2 head width 4mm
- C2033.3 head width 3.5mm



C2070.1 Micro ear curette, double heads, large  $\phi$ 2mm



C2070.2 Micro ear curette, double heads, small  $\phi$ 1.5mm



C2075 Suction tube, micro curved  $\phi$ 2x90mm

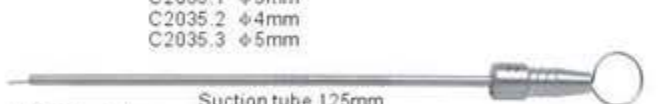


Mastoid suction tube 105mm  
C2035.1  $\phi$ 3mm  
C2035.2  $\phi$ 4mm  
C2035.3  $\phi$ 5mm



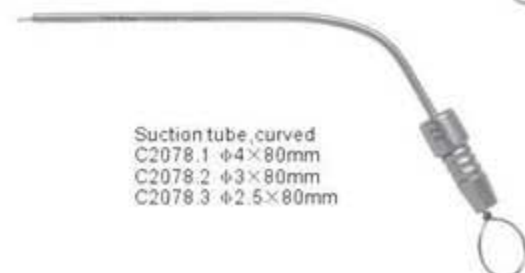
Suction tube 85mm

- C2046.4  $\phi$ 1mm
- C2046.5  $\phi$ 1.5mm
- C2046.6  $\phi$ 2mm
- C2046.7  $\phi$ 2.5mm
- C2046.8  $\phi$ 3mm



Suction tube 125mm

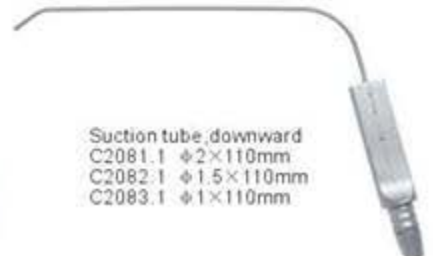
- C2046.1  $\phi$ 4mm
- C2046.2  $\phi$ 3mm
- C2046.3  $\phi$ 2.5mm



Suction tube, curved  
C2078.1  $\phi$ 4x80mm  
C2078.2  $\phi$ 3x80mm  
C2078.3  $\phi$ 2.5x80mm



Suction tube, upward  
C2081  $\phi$ 2x110mm  
C2082  $\phi$ 1.5x110mm  
C2083  $\phi$ 1x110mm



Suction tube, downward  
C2081.1  $\phi$ 2x110mm  
C2082.1  $\phi$ 1.5x110mm  
C2083.1  $\phi$ 1x110mm



C2076 Suction tube, straight  $\phi$ 1x65mm

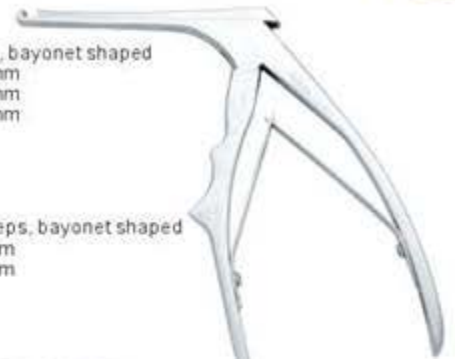
# ECO LINE

## OTOSCOPY INSTRUMENTS INSTRUMENTOS PARA OTOLOGIA



Mastoid rongeur forceps, single joint  
C2011 Sharp head  
C2011.1 Sharp head, curved 140mm  
C2012 Round head

Mastoid rongeur forceps, bayonet shaped  
C2008.1 Head width 6mm  
C2008.2 Head width 5mm  
C2008.3 Head width 4mm



Mastoid hemostatic forceps, bayonet shaped  
C2008.5 Head width 5mm  
C2008.6 Head width 4mm



Mastoid mallet  
C2034.1  $\phi$  19x60mm  
C2034.2  $\phi$  17x55mm  
C2034.3  $\phi$  15x50mm

异物钳 Foreign body forceps



C2007.1 Small triticeous head (head width 2mm) C2007.2 Large triticeous head (head width 3mm)



C2047 Bayonet shaped  $\phi$ 2.5mm

C2048 knee shaped  $\phi$ 2mm

Probe



Mastoid curette, 160mm  
C2022  $\phi$  1.5mm, C2023  $\phi$  2mm, C2024  $\phi$  2.5mm, C2025  $\phi$  3mm,  
C2026  $\phi$  3.5mm, C2027  $\phi$  4mm, C2028  $\phi$  4.5mm,  
C2029  $\phi$  5mm, C2030  $\phi$  5.5mm, C2031  $\phi$  6mm.



C2026.1 Mastoid curette, round bowl, double heads  $\phi$  3mm &  $\phi$  4mm



C2047.1 Probe, double ball heads  $\phi$  2mm



C2054 Cerumen hook, 7pcs



1



2



3



4



5



6



7

# ECO LINE

## NASAL OPERATING FORCEPS

PINZAS NASALES PARA CIRUGIA



B2514 (0° /105mm)  
Nasal tissue forceps, front biting



B2515 (0° /105mm)  
Nasal tissue forceps, front biting sharp (small)



B2516 (30° /105mm)  
Nasal tissue forceps, front biting sharp (small)



B2516.1 (45° /105mm)  
Nasal tissue forceps, front biting sharp (small)



(0° /105mm)  
B2517.1 Large B2517.2 Middle  
B2517.3 Small  
Nasal tissue forceps, without fixed pin



(45° /105mm)  
B2519.1 Large B2519.2 Middle  
Nasal tissue forceps, without fixed pin



B9094.1 (0° /105mm)  
Rongeur of nasal ethmoid



B9094.2 (30° /105mm)  
Rongeur of nasal ethmoid



B9100 (0° /105mm)  
Tissue forceps of nasal cavity sharp head, without fixed pin



B9101 (30° /105mm)  
Tissue forceps of nasal cavity sharp head, without fixed pin



B9102 (45° /105mm)  
Tissue forceps of nasal cavity sharp head, without fixed pin



B9103 (90° /105mm)  
Tissue forceps of nasal cavity sharp head, without fixed pin



B9104 (0° /105mm)  
Polyp forceps of nasal cavity round head, without fixed pin



B2009 110° /105mm  
open to left and right



B2105 100° /105mm  
open to left and right



B2106 70° /105mm  
open to left and right



B2107 70° /105mm  
open to front and back



B2108 0° /145mm  
open to up and down



B2095  
Blade with tooth, straight



Nasal tissue scissors 120mm



B2096  
Blade with tooth, left curved



B2097  
Blade with tooth, right curved

B2111 90° Nasal tissue forceps, with suction tube 140mm

# ECO LINE



## NASAL OPERATING FORCEPS - PINZAS NASALES PARA CIRUGIA



Nasal tissue cutting forceps  
B2010.1 0° sharp head(L)  
B2010.2 0° sharp head(S)



Nasal tissue cutting forceps  
B2011.1 30° sharp head(L)  
B2011.2 30° sharp head(S)



Nasal tissue cutting forceps  
B2012.1 45° sharp head(L)  
B2012.2 45° sharp head(S)



Nasal tissue cutting forceps  
B2013.1 0° round head(L)  
B2013.2 0° round head(S)



Nasal tissue cutting forceps  
B2014.1 30° round head(L)  
B2014.2 30° round head(S)



Nasal tissue cutting forceps  
B2015.1 45° round head(L)  
B2015.2 45° round head(S)



B2022  
Nasal polyp ethmoid forceps  
Round head



B2023  
Nasal polyp ethmoid forceps  
Sharp head



B2039  
Tissue forceps of nasal cavity  
With suction tube



B2040  
Tissue forceps of nasal cavity  
With suction tube



B2041  
Tissue forceps of nasal cavity  
with suction tube



B2042  
Tissue forceps of nasal cavity  
with suction tube



B2080  
Open forceps of nasal ethmoid  
Flat head



B2081  
Open forceps of nasal ethmoid  
Up head



Open forceps of nasal ethmoid  
Sharp head  
B2080 (L) B2080.1 (S)



B2085  
Nasal-pharyngeal biopsy forceps  
Straight



B2086  
Nasal-pharyngeal biopsy forceps



B2086.1  
Nasal-pharyngeal biopsy forceps  
upward



B2087  
Nasal-pharyngeal biopsy forceps  
Curved



Cutting forceps of nasal ethmoid  
(0° /105mm)  
B2094.1 0°  
B2094.5 Left-biting  
B2094.6 Right-biting



Cutting forceps of nasal ethmoid  
(30° /105mm)  
B2094.2 30°  
B2094.7 Left-biting  
B2094.8 Right-biting



B2095.1  
Nasal tissue scissors  
Straight



Nasal tissue scissors  
B2096.1 Left-curved  
B2097.1 Right-curved



B2098  
Nasal rongeur  
Front-biting



B2099  
Back biting rongeur  
B2099.1 left opening  
B2099.2 right opening



B2099.3  
Back biting rongeur  
Down curved



Nasal tissue forceps(0° /105mm)  
B2100 Sharp head  
B2100.1 (L)  
B2100.2 (S)  
B2100M Sharp head 130mm



Nasal tissue forceps  
(30° /105mm)  
B2101 Sharp head  
B2101.1 (L)  
B2101.2 (S)



Nasal tissue forceps(Sharp head)  
B2102 45°  
B2103 90°



B2104  
Polyp forceps of nasal cavity  
Round head

# ECO LINE

## NASAL OPERATING FORCEPS



B2018.1 Nasal mucosa forceps, type 1



B2018.2 Nasal mucosa forceps, type 2



Nasal mucosa forceps, new type  
B2018.3 (L)  
B2018.4 (M)  
B2018.5 (S)



Nasal polyp forceps, triticeous head  
B2025.1 2×6×180mm  
B2025.2 2.5×6×180mm  
B2025.3 3×6×180mm



Nasal polyp forceps, new type  
B2026.1 2×6mm  
B2026.2 2.5×6mm  
B2026.3 3×6mm



B2027.1  
Nasal polyp forceps  
2×6



B2027.2  
Nasal polyp forceps  
2.5×6



B2027.3  
Nasal polyp forceps  
3×6



B2050 Straight upward



B2051 Straight downward



Maxillary rongeur 130mm



B2052 45° Upward



B2053 45° Downward



B2054  
Straight upward, mouth with tooth



B2055  
Straight downward, mouth with tooth



B2056.1 (L)



B2056.2 (M)



B2056.3 (S)



Maxillary hemostat 115mm

# ECO LINE

## NASAL OPERATING FORCEPS



B2001 Optical forceps 0° /150mm



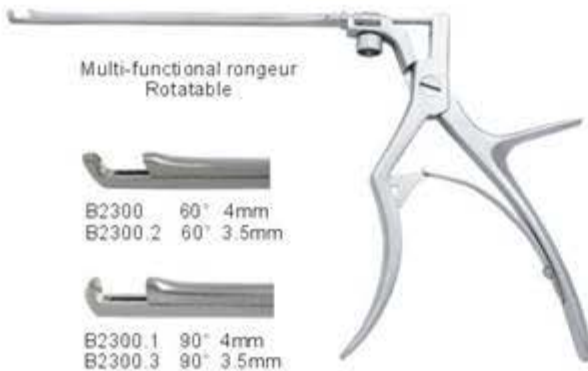
B2002 Optical forceps 30° /120mm



B2003 Optical forceps 70° /120mm



Nasal bipolar forceps  
use with B1007 high frequency cord  
B2125 0°  
B2125.1 Upward 20°



Multi-functional rongeur  
Rotatable



B2300 60° 4mm  
B2300.2 60° 3.5mm



B2300.1 90° 4mm  
B2300.3 90° 3.5mm



Detachable rongeur Rotatable



B2301.1 60° 4mm  
B2301.2 60° 3.5mm  
B2301.4 60° 3mm



B2301.1 90° 4mm  
B2301.3 90° 3.5mm  
B2301.5 90° 3mm



Side cutting forceps  
B2522 Left biting  
B2523 Right biting



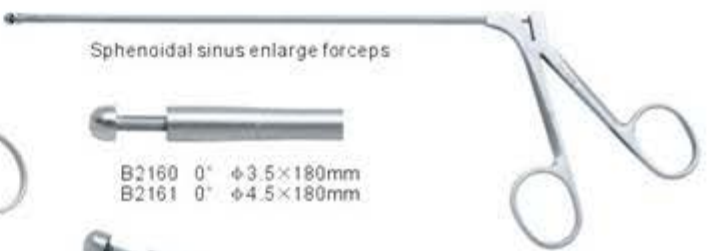
B2513 Back biting rongeur  
Rotatable

## ECO LINE

### NASAL OPERATING FORCEPS



Detachable suction polyp forceps 0°  
B2162.1  $\phi 5 \times 140\text{mm}$   
B2162.2  $\phi 4 \times 140\text{mm}$   
B2162.3  $\phi 3 \times 140\text{mm}$



Sphenoidal sinus enlarge forceps

B2160 0°  $\phi 3.5 \times 180\text{mm}$   
B2161 0°  $\phi 4.5 \times 180\text{mm}$



Nasal septum rongeur  
Double joints



B2160.1 130°  $\phi 3.5 \times 180\text{mm}$   
B2161.1 130°  $\phi 4.5 \times 180\text{mm}$



B2150.1 Punch

B2150.2 Occlude



B2030 Nasal stamping forceps 180mm



B1001 Adult nasal speculum 30mm  
B1002 Pediatric nasal speculum 20mm



B1003 Operation nasal speculum 50mm



B2071 Nasal bone resetting forceps



B2024 Nasal polyp snare



B2058 Maxillary trocar

# ECO LINE

## NASAL INSTRUMENTS



B2031  
Nasal mucosa knife



Sinus curette, without hole  
B2044.1 (L)  
B2044.2 (M)  
B2044.3 (S)



Sinus curette, with hole  
B2045.1 (L)  
B2045.2 (M)  
B2045.3 (S)



Sinus curette, with hole  
B2046.1 (L)  
B2046.2 (M)  
B2046.3 (S)



Sinus curette, with hole  
B2047.1 (L)  
B2047.2 (M)  
B2047.3 (S)



Sinus curette, with hole  
B2048.1 (L)  
B2048.2 (M)  
B2048.3 (S)



Sinus curette, with hole  
B2049.1 (L)  
B2049.2 (M)  
B2049.3 (S)



Nasal cutting curette  
B2089 Forward  
B2090 Backward



B2112  
Sinus curette, with hole



B2113  
Sinus curette, without hole



B2061 Nasal septum elevator



B2062 Nasal septum elevator



B2062.2  
Nasal septum elevator  
Long flat handle



B2062.1  
Nasal septum elevator  
Long flat handle



B2063 (30°)  
Nasal septum elevator



B2084  
Nasal septum elevator  
Upward, triangular head



B2065  
Nasal septum elevator  
Upward, flat tip



B2066  
Nasal septum elevator  
Round head



Elevator  
B2503 Double heads, curved  
B2503.1 One side straight,  
another side curved



B2506 Nasal bone chisel (43x75mm)  
Flat head



B2508 Cerumen hook (70° / 42x3mm)  
Flat wide head, curved



B2507 Nasal probe  
Round head, curved 2.5mm



Nasal septum elevator  
B2067 Double heads, curved  
B2067.1 One side straight, another side curved



B2067.2  
Nasal septum elevator



B2067.3  
Half round knife elevator



B2083 Nasal periosteum elevator  
Double heads, curved



B2084 Nasal periosteum elevator  
Double heads, straight



B2504 Small sinus curette  
Double heads



B2505 Sinus operation knife  
Double heads



B2502.1 Elevator suction tube (43.5x75mm)



B2502.2 Elevator suction tube (42.5x60mm)

# ECO LINE

## NASAL INSTRUMENTS



Nasal septum fish tail chisel, straight  
B2059.1 (L)  
B2059.2 (M)  
B2059.3 (S)



Nasal septum fish tail chisel, bayonet shaped  
B2060.1 (L)  
B2060.2 (M)  
B2060.3 (S)



Nasal bone chisel



B2075 Nasal bone chisel Flat, curved



Double protection  
B2072.1 6mm  
B2072.2 8mm



Left protection  
B2073.1 6mm  
B2073.2 8mm



Right protection  
B2074.1 6mm  
B2074.2 8mm



B2076 Nasal bone chisel Bayonet shaped, half round



Nasal septum swivel knife, straight  
B2068.1 3mm  
B2068.2 4mm  
B2068.3 5mm

Nasal septum swivel knife, tip, straight  
B2068.4 3mm  
B2068.5 4mm  
B2068.6 5mm



Nasal septum swivel knife, bayonet  
B2069.1 3mm  
B2069.2 4mm  
B2069.3 5mm



Nasal paraphyte curette, without hook  
B2091.1 (L)  
B2091.2 (M)  
B2091.3 (S)



Nasal paraphyte curette, with hook  
B2092.1 (L)  
B2092.2 (M)  
B2092.3 (S)



B2031.1 Nasal cartilage knife, double heads 190mm



B2070 Nasal bone restorer



Sickle knife  
B2118 Sharp head curved  
B2119 Blunt head curved



B2127 Nasal rasp, double sides rasp 6x42mm



B2120 Trocar (Φ4.2x100mm)



B2163 Maxillary retractor Double heads 180mm



B2121 Endoscope holder



Nosepiece scissors  
B2077 Upperbound  
B2078 Middlebound  
B2079 Lowerbound

## ECO LINE

### NASAL SUCTION TUBE



B2088 Suction & irrigation tube (Φ3X125mm)



Maxillary suction tube, straight  
B2115.3 Φ3X125mm  
B2115.6 Φ4X125mm



Maxillary suction tube  
B2115.7 Φ4X125mm Curved, square handle  
B2115.8 Φ3.5X140mm hook shaped  
B2115.9 Φ3X125mm hook shaped  
B2115.10 Φ2.5X125mm hook shaped  
B2115.11 Φ3.5X150mm



Suction tube, curved, long handle 175mm  
B2116.7 Φ4mm  
B2116.8 Φ3mm  
B2116.9 Φ2.5mm

Suction tube, curved, square handle 150mm  
B2116.10 Φ4mm  
B2116.11 Φ3mm  
B2116.12 Φ2.5mm



Suction tube, curved, flexible 175mm  
B2166 Φ4mm  
B2167 Φ3mm  
B2168 Φ2.5mm



Suction tube for treatment table, long connector  
B2170.1 Φ1.5mm  
B2170.2 Φ2mm  
B2170.3 Φ2.5mm  
B2170.4 Φ3mm  
B2170.5 Φ3.5mm



Suction tube for treatment table, peanut connector  
B2172.1 Φ1.5mm  
B2172.2 Φ2mm  
B2172.3 Φ2.5mm  
B2172.4 Φ3mm  
B2172.5 Φ3.5mm



B2510 Nasal irrigation tube, curved Φ2X180mm



Maxillary suction tube  
B2115 Φ3X125mm  
B2115.1 Φ4X125mm  
B2115.2 Φ2.5X125mm

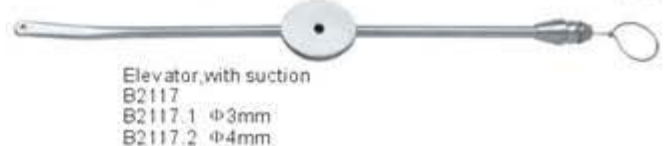


Maxillary suction tube Φ3X125mm  
B2115.4 Square handle  
B2115.5 Straight handle



Suction tube, curved  
B2116 Φ3.5X175mm  
B2116.1 Φ4X175mm  
B2116.2 Φ3X175mm  
B2116.3 Φ2.5X175mm

Suction tube, straight  
B2116.4 Φ4X175mm  
B2116.5 Φ3X175mm  
B2116.6 Φ2.5X175mm



Elevator, with suction  
B2117  
B2117.1 Φ3mm  
B2117.2 Φ4mm



B2169 Maxillary suction tube, curved, flexible Φ3X125mm



Suction tube for treatment table, short connector  
B2171.1 Φ1.5mm  
B2171.2 Φ2mm  
B2171.3 Φ2.5mm  
B2171.4 Φ3mm  
B2171.5 Φ3.5mm



Suction tube for treatment table, peanut connector, S type  
B2173.1 Φ1.5mm  
B2173.2 Φ2mm  
B2173.3 Φ2.5mm  
B2173.4 Φ3mm  
B2173.5 Φ3.5mm



Nasal mastoid suction tube, straight Φ5X195mm  
B2511.1 (L) B2511.2 (M) B2511.3 (S)



Nasal mastoid suction tube, curved Φ5X195mm  
B2512.1 (L) B2512.2 (M) B2512.3 (S)

# ECO LINE

## PEDIATRIC NASAL INSTRUMENTS



B2201 Optical forceps 0° / φ 3mm



B2202 Pediatric optical forceps 30°



B2203 Pediatric optical forceps 70°



B2220 Nasal probe



B2205 Straight



B2206 Left-curved



B2207 Right-curved

Nasal tissue scissors φ 3/110mm



B2094.3 0°  
Cutting forceps of nasal ethmoid



B2094.2 30°  
Cutting forceps of nasal ethmoid



B2209 0° 95mm  
Tissue forceps of nasal cavity, sharp head



B2210 30° 95mm  
Tissue forceps of nasal cavity, sharp head



B2211 45° 95mm  
Tissue forceps of nasal cavity, sharp head



B2212 90° 95mm  
Tissue forceps of nasal cavity, sharp head



B2213 0°  
Tissue forceps of nasal cavity, round head



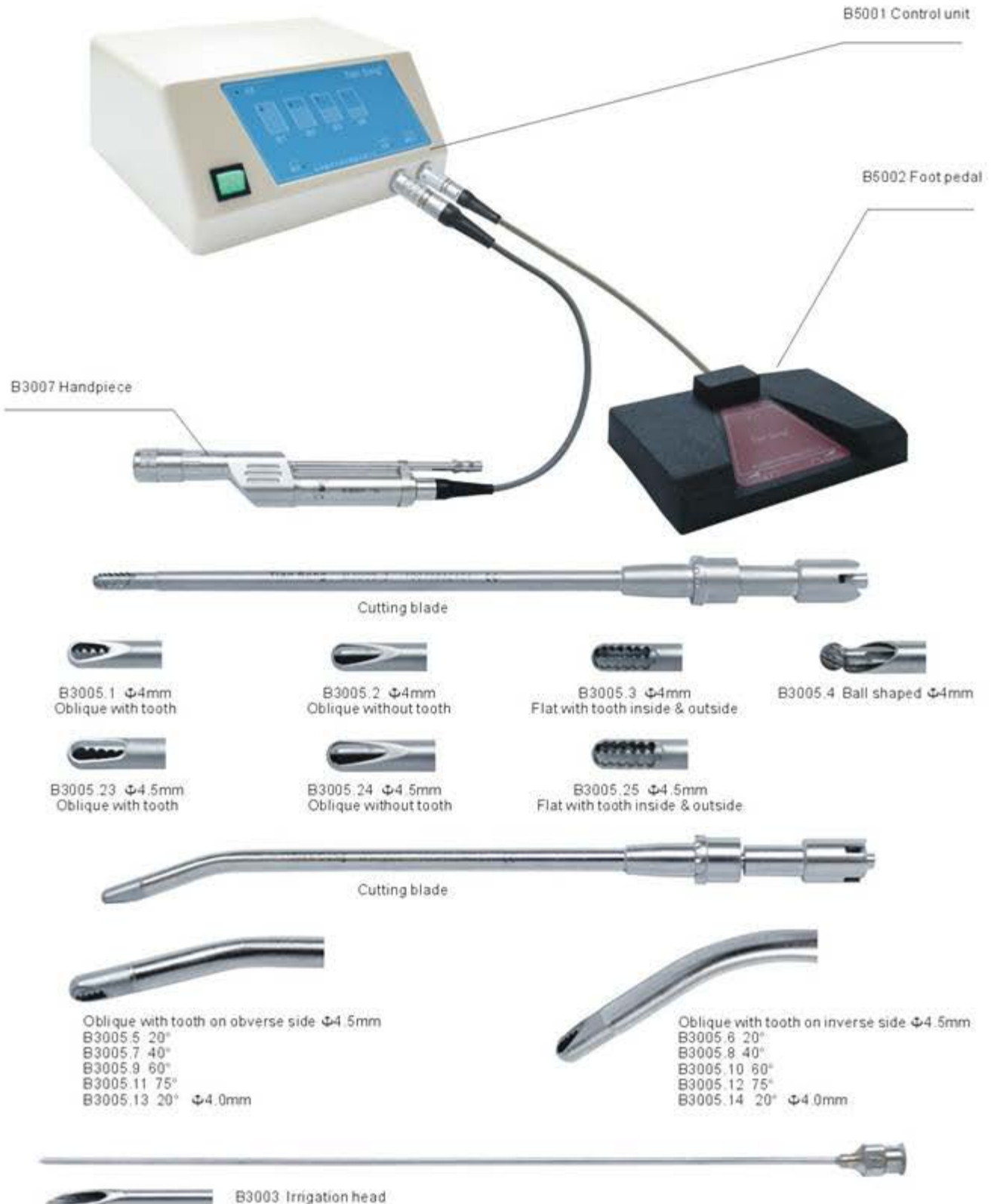
B2214 30°  
Tissue forceps of nasal cavity, round head



B2208 95mm  
Sinus rongeur, back-biting

# ECO LINE

## NASAL POWER DRILL



# ECO LINE

## NASAL POWER DRILL



Cutting blade, straight (with irrigation)



B3103.1  $\Phi$ 4mm  
Oblique with tooth



B3104.1  $\Phi$ 4mm  
Oblique without tooth



B3105.1  $\Phi$ 4mm  
Flat with tooth inside & outside



B3106.1 Ball shaped  $\Phi$ 4mm



Oblique with tooth on obverse side  $\Phi$ 4.5mm  
B3107 20°  
B3109 40°  
B3111 60°



Oblique with tooth on inverse side  $\Phi$ 4.5mm  
B3108 20°  
B3110 40°  
B3112 60°

## ECO LINE

### NASAL ELECTRIC COAGULATOR WITH SUCTION



Elevator suction tube, use with M1006  
 B2501  $\phi 4 \times 100\text{mm}$   
 B2501.1  $\phi 3.5 \times 100\text{mm}$



Nasal electric coagulator with suction, flat, use with M1002  
 B2122  $\phi 3\text{mm}$   
 B2122.4  $\phi 4\text{mm}$



Nasal electric coagulator with suction, flat, use with M1002

Flat $\phi 3\text{mm}$	Flat $\phi 4\text{mm}$
B2122.1 50°	B2122.5 50°
B2122.2 60°	B2122.6 60°
B2122.3 90°	B2122.7 90°
B2122.8 Slightly curved $\phi 3 \times 130\text{mm}$	



Nasal electric coagulator cutter with suction, flat, use with M1002 45°  
 B2123.1  $\phi 3\text{mm}$   
 B2123.2  $\phi 4\text{mm}$



Nasal electric coagulator with suction, flat, bipolar, use with M1006 0°  
 B2124  $\phi 4\text{mm}$   
 B2124.5  $\phi 5\text{mm}$   
 B2124.6  $\phi 5\text{mm}$

## LARYNGOSCOPE

- Connecting to TIANSONG light guide cable  
 OLYMPUS light guide cable  
 Connecting to OLYMPUS light guide cable  
 STORZ light guide cable  
 Connecting to STORZ light guide cable



- WOLF light guide cable  
 Connecting to WOLF light guide cable

- ACMI STRYKER light guide cable  
 Connecting to ACMI, STRYKER  
 light guide cable



D0101 90°  $\phi 8 \times 174\text{mm}$



D0104.1 70°  $\phi 8 \times 170\text{mm}$   
 D0112 70°  $\phi 8 \times 170\text{mm}$   
 134°C 2bar Autoclavable



Tele-laryngoscope  
 D0102 90°  $\phi 8 \times 174\text{mm}$   
 D0103 70°  $\phi 8 \times 178\text{mm}$



Side viewing Laryngoscope  
 D0106 12°  $\phi 4 \times 185\text{mm}$   
 D0107 0°  $\phi 4 \times 183\text{mm}$



D0105 70°  $\phi 5 \times 175\text{mm}$



D0110 Tele-laryngoscope 70°  $\phi 5 \times 175\text{mm}$

# ECO LINE

## SELF-RETAINING LARYNGOSCOPY SET



D6001 Laryngoscope holder



Light guide cable  
Screw adaptor  
D5010  $\phi 2.5 \times 1700$ mm  
J5010  $\phi 1.8 \times 1700$ mm  
Click adaptor  
J5013  $\phi 1.8 \times 1700$ mm  
J5014  $\phi 2.5 \times 1700$ mm



Laryngoscope holder  
D6002  
D6003



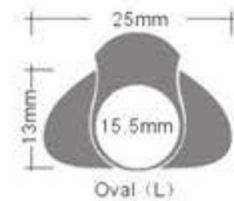
Laryngoscope tube, for D2083  
D1001  $26 \times 170$ mm  
D1002  $20 \times 170$ mm



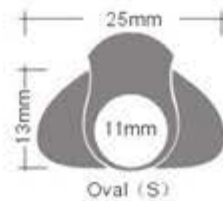
Laryngoscope tube  
D1003 (L)  
D1004 (S)



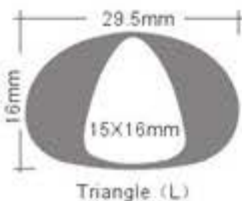
Laryngoscope tube  
D1011 (L)  
D1012 (S)



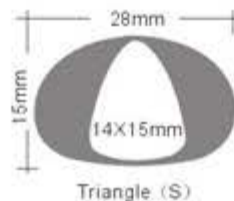
Oval (L)



Oval (S)



Triangle (L)



Triangle (S)



Laryngoscope tube  
for 12° endoscope  
D1013.1 (L)  
D1014.1 (S)



Laryngoscope tube  
for 0° endoscope  
D1013 (L)  
D1014 (S)



Laryngoscope tube  
D2101 (L)  
D2102 (S)



Laryngoscope tube  
D2103 (L)  
D2104 (S)



Direct Laryngoscope  
D2076.1 (L)  
D2076.2 (M)  
D2076.3 (S)



Lateral Laryngoscope  
D2077.1 (L)  
D2077.2 (M)  
D2077.3 (S)

# ECO LINE

## LARYNGEAL OPERATING FORCEPS



D2001  
Micro-laryngeal forceps, straight



D2002  
Micro-laryngeal forceps



Micro-laryngeal forceps 30°  
D2003 Left-curved  
D2004 Right-curved



D2005  
Micro-laryngeal forceps, with tooth



D2006  
Micro-laryngeal forceps, cutting



D2007  
Micro-laryngeal forceps, biopsy



D2008  
Micro-laryngeal forceps, barb tooth



D2009  
Micro-laryngeal forceps, grasping



D2010 0°  
Micro-laryngeal forceps  
triangular head



D2011 45°  
Micro-laryngeal forceps  
triangular head



D201  
Micro-laryngeal scissors, straight



Micro-laryngeal scissors  
D2013 Left curved  
D2014 Right curved



D2015 15°  
Micro-laryngeal scissors



D2016 45°  
Micro-laryngeal scissors



D2017 45°  
Micro-polyp forceps, open to left



D2018 45°  
Micro-polyp forceps, open to right



Micro-laryngeal forceps  
D2019 Left fish-mouth  
D2020 Right fish-mouth



D2045 Crocodile head



Direct laryngeal forceps 230mm



D2048 45° Upward



D2046  
Left kidney shaped  
D2047  
Right kidney shaped



D2049 Triangular head



D2050  
Upward / Triangular head 45°



D2051 Cup head



Cup head 30°  
D2085.1  $\phi$ 5mm  
D2085.2  $\phi$ 4mm  
D2085.3  $\phi$ 3mm

# ECO LINE

## LARYNGEAL OPERATING FORCEPS



D2070 260mm  
Indirect laryngeal forceps  
One handle with three jaws, rotating head



D2055  
Laryngeal Pustula cutting forceps  
With suction & irrigation



Polyp forceps of vocal cord 260mm  
D2021 Rotating head  
D2022 Open to front  
D2023 Open to back  
D2024 Open to left  
D2025 Open to right



Special polyp forceps of vocal cord  
45°, 260mm  
D2026 Open to front  
D2027 Open to back  
D2028 Open to left  
D2029 Open to right



Special laryngeal forceps 260mm  
D2030 Rotating head  
D2031 Upward  
D2032 Downward  
D2033 Leftward  
D2034 Rightward



Fish bone catching forceps 260mm  
D2035 Open to front  
D2036 Open to left  
D2037 Open to right  
D2038 Open to back  
D2039 Rotating head  
D2040 Open to left & right



D2041  
Laryngeal scissors



D2042 260mm  
Laryngeal Pustule cutting forceps  
Open to left & right



Indirect laryngeal forceps  
D2071 Open to left  
D2072 Open to right  
D2073 Open to up  
D2074 Open to down



Fish bone catching forceps, newtype 260mm  
D2040.1 Curved, open to up  
D2040.2 Open to left



Tonsil holding forceps 220mm  
D2058 Angled with 3 claws  
D2059 Angled with teeth



Tonsil hemostat 180mm  
D2060 微弯 Micro curved  
D2061 角弯 Angle curved



Tonsil sponge forceps 180mm  
D2062 Straight channel  
D2063 Curved channel



D2068 Thyroid scissors 180mm



D2089 Tongue grasping forceps 170mm

# ECO LINE

## LARYNGEAL INSTRUMENTS



D2078 Laryngotome 250mm    D2079 Laryngeal needle 250mm    D2080 Laryngeal hook 250mm



D2064 Tonsil elevator



D2067 Tonsil retractor, elevator, double heads



D2065 Tonsil retractor, blunt head, 2 claws



D2066 Tonsil Knife



Suction tube 250mm  
D2082.1  $\phi$ 4mm  
D2082.2  $\phi$ 3mm  
D2082.3  $\phi$ 2.5mm



D2087 Tonsil needle, curved



D2088 Tonsil needle, straight



D2095 Thyroid retractor, double heads



D2097  
Laryngeal electric coagulator with suction Bipolar, flat 230mm  
 $\phi$ 5x240mm / 45°



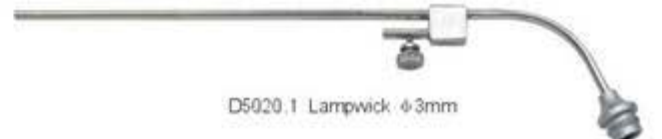
D2083 Lampwick  $\phi$ 3.6x200mm



Laryngeal electric coagulator with suction  
D2093.1  $\phi$ 3.5mm  
D2093.2  $\phi$ 2.5mm  
D2093.3  $\phi$ 2mm



Laryngeal electric hook  
D2094.1  $\phi$ 3.5mm  
D2094.2  $\phi$ 2.5mm



D5020.1 Lampwick  $\phi$ 3mm



D2043 Laryngeal polyp snare



Adenoidectome, cassette  
D2086.1 (L)  
D2086.2 (M)  
D2086.3 (S)

## ECO LINE

### LARYNGEAL INSTRUMENTS



D2084 Chest protecting board



D2056 Tonsil snare , bayonet shaped



D2075 Mouth Dilator



D2052 Anesthetic mouth-gag 5X1  
D2052.1 Proboscis anesthetic mouth-gag 5X1



D2053.3 Anesthetic mouth-gag with fiber ,frame 4x1



D2053 Anesthetic mouth-gag ,with water 5x1



D2053.1 Anesthetic mouth-gag , with fiber 5x1

# ECO LINE

## BRONCHOSCOPY INSTRUMENTS



### Endoscope

$\phi 2.7 \times 360\text{mm}$   
 J0210 0°  
 J0212 30°



### Pediatric bronchoscope tube



J5001 Prismatic light deflector 90°

J1006  $\phi 4.2 \times 250\text{mm}$   
 J1007  $\phi 4.6 \times 250\text{mm}$   
 J1008  $\phi 5.2 \times 260\text{mm}$   
 J1009  $\phi 5.6 \times 260\text{mm}$   
 J1010  $\phi 6.3 \times 260\text{mm}$



J1001  $\phi 3.5 \times 200\text{mm}$   
 J1002  $\phi 4 \times 200\text{mm}$   
 J1003  $\phi 4.5 \times 200\text{mm}$   
 J1004  $\phi 5 \times 300\text{mm}$   
 J1005  $\phi 5.5 \times 350\text{mm}$



Fibers inside for illumination

J1011  $\phi 4 \times 260\text{mm}$   
 J1012  $\phi 4.5 \times 280\text{mm}$   
 J1013  $\phi 5 \times 280\text{mm}$   
 J1014  $\phi 5.5 \times 280\text{mm}$   
 J1015  $\phi 6 \times 300\text{mm}$

Adult bronchoscope tube  
 J1016  $\phi 6.5 \times 350\text{mm}$   
 J1017  $\phi 7 \times 400\text{mm}$



### Optical forceps



J2211 Crocodile head  $\phi 4.3 \times 330\text{mm}$



J2212 Peanut head  $\phi 4.3 \times 330\text{mm}$



# ECO LINE

## BRONCHOSCOPY INSTRUMENTS



J2001 Saw-toothed head



J2001.2 New Saw-toothed head



J2002 Ring head



J2003 Cup head



J2003.2 New Cup head



J2006 麦 Triticeous head



J2006.2 新 New Triticeous head



J2007 Crocodile head



J2007.2 New Crocodile head



J2008 Pen-sheath-carrying  $\phi 1.8 \times 360\text{mm}$



J2010 Ball-carrying



J2010.2 New Ball-carrying



J2011 Sharp head



J2004  $\phi 2.5 \times 360\text{mm}$   
With two reverse claws



J2005  $\phi 2.5 \times 360\text{mm}$   
With three claws



J2009  $\phi 2 \times 360\text{mm}$   
Pen-sheath-carrying, with three claws



J2012 With two claws  $\phi 2.5 \times 360\text{mm}$



J2013 Ring shaped  $\phi 2.5 \times 360\text{mm}$



J2014 Front claw  $\phi 2.5 \times 360\text{mm}$



J2015 Peanut head  $\phi 2.5 \times 360\text{mm}$

# ECO LINE

## BRONCHOSCOPY INSTRUMENTS



J2016.1 Canula forceps of trachea 200mm



J2016.2 Canula forceps of trachea 250mm



- Tracheal tube
- |               |                 |
|---------------|-----------------|
| J1001.1 (4mm) | J1001.7 (10mm)  |
| J1001.2 (5mm) | J1001.8 (11mm)  |
| J1001.3 (6mm) | J1001.9 (12mm)  |
| J1001.4 (7mm) | J1001.10 (13mm) |
| J1001.5 (8mm) |                 |
| J1001.6 (9mm) |                 |



- Trigeminal tracheal tube
- |                |                |
|----------------|----------------|
| J1002.1 (4mm)  | J1002.2 (5mm)  |
| J1002.3 (6mm)  | J1002.4 (7mm)  |
| J1002.5 (8mm)  | J1002.6 (9mm)  |
| J1002.7 (10mm) | J1002.8 (11mm) |
| J1002.9 (12mm) |                |



- Single tube of total throat
- |                |
|----------------|
| J1003.1 (9mm)  |
| J1003.2 (10mm) |
| J1003.3 (11mm) |
| J1003.4 (12mm) |
| J1003.5 (13mm) |
| J1003.6 (14mm) |



- Double tubes of total throat:
- |                |
|----------------|
| J1004.1 (9mm)  |
| J1004.2 (10mm) |
| J1004.3 (11mm) |
| J1004.4 (12mm) |
| J1004.5 (13mm) |
| J1004.6 (14mm) |



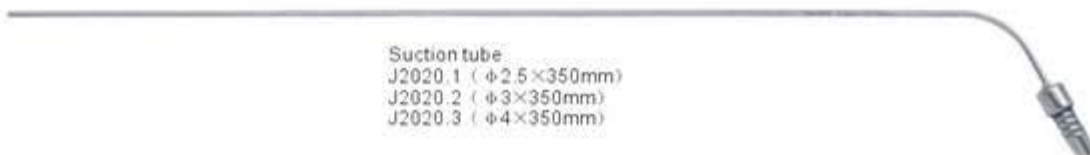
Cutting retractor of trachea



J2019 Two claws



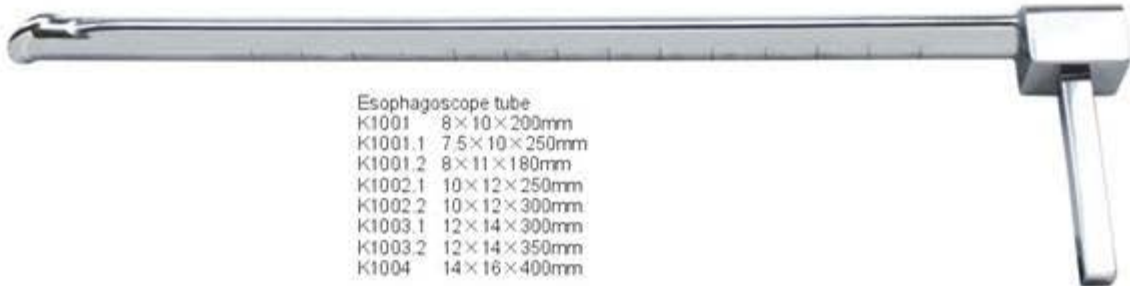
J2019.1 Four claws



- Suction tube
- |                      |
|----------------------|
| J2020.1 (φ2.5×350mm) |
| J2020.2 (φ3×350mm)   |
| J2020.3 (φ4×350mm)   |

## ECO LINE

### ESOPHAGOSCOPY INSTRUMENTS



- Esophagoscope tube
- |         |              |
|---------|--------------|
| K1001   | 8×10×200mm   |
| K1001.1 | 7.5×10×250mm |
| K1001.2 | 8×11×180mm   |
| K1002.1 | 10×12×250mm  |
| K1002.2 | 10×12×300mm  |
| K1003.1 | 12×14×300mm  |
| K1003.2 | 12×14×350mm  |
| K1004   | 14×16×400mm  |



- Esophagoscope tube, with fiber inside
- |         |             |
|---------|-------------|
| K1005   | 9×13×250mm  |
| K1006   | 11×15×300mm |
| K1007.1 | 10×16×360mm |
| K1007.2 | 10×16×400mm |
| K1008   | 13×17×380mm |
| K1009.1 | 12×18×250mm |
| K1009.2 | 12×18×400mm |
| K1009.3 | 12×18×450mm |



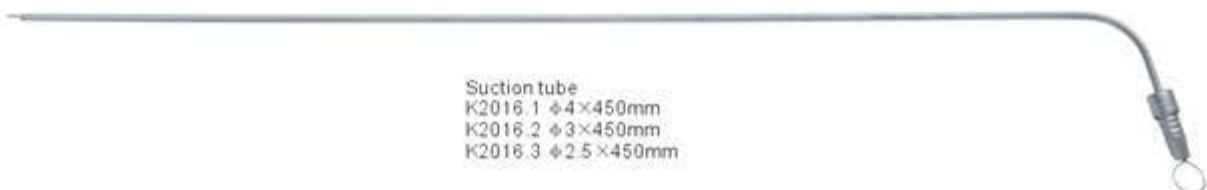
K1000 Handle



K2014 压舌板 (直)  
Spatula, straight



K2015 Spatula, curved



- Suction tube
- |         |            |
|---------|------------|
| K2016.1 | φ4×450mm   |
| K2016.2 | φ3×450mm   |
| K2016.3 | φ2.5×450mm |

# ECO LINE

## ESOPHAGOSCOPY INSTRUMENTS



Esophageal foreign body forceps



K2002.1  $\phi 4 \times 350$ mm  
 K2003.1  $\phi 4 \times 380$ mm  
 K2003.2  $\phi 4 \times 450$ mm  
 K2003.3  $\phi 4 \times 500$ mm



K2001.1  $\phi 4 \times 350$ mm  
 K2004.1  $\phi 4 \times 380$ mm  
 K2004.2  $\phi 4 \times 450$ mm  
 K2004.3  $\phi 4 \times 500$ mm



K2005.1  $\phi 4 \times 380$ mm  
 K2005.2  $\phi 4 \times 450$ mm  
 K2005.3  $\phi 4 \times 500$ mm



K2006.1  $\phi 4 \times 380$ mm  
 K2006.2  $\phi 4 \times 450$ mm  
 K2006.3  $\phi 4 \times 500$ mm



K2007  
 Esophageal biopsy forceps  
 Left curved  $\phi 3.4 \times 450$ mm



K2008  
 Esophageal biopsy forceps  
 Right curved  $\phi 3.4 \times 450$ mm



K2009  
 Esophageal biopsy forceps  
 Rotatable  $\phi 3.4 \times 450$ mm



K2012.2  
 Esophageal polyp forceps  
 Right curved  $\phi 4 \times 450$ mm



K2012.1  
 Esophageal foreign body forceps  
 Cup head 45°  $\phi 4 \times 380$ mm



K2010  
 Esophageal polyp forceps  
 Straight  $\phi 3.4 \times 450$ mm



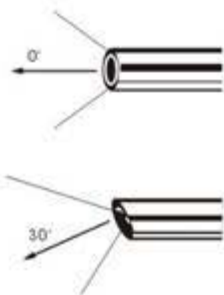
K2011  
 Esophageal scissors  
 Straight  $\phi 3.4 \times 450$ mm



K2013  
 Esophageal foreign body forceps  
 Cutting  $\phi 4 \times 380$ mm

# ECO LINE

## VENTRICULOSCOPY INSTRUMENTS



- 1. Connecting to TIANSONG light guide cable  
OLYMPUS light guide cable  
Connecting to OLYMPUS light guide cable  
STORZ light guide cable  
Connecting to STORZ light guide cable
- 2. WOLF light guide cable  
Connecting to WOLF light guide cable
- 3. ACMI STRYKER light guide cable  
Connecting to ACMI, STRYKER  
light guide cable



Endoscope  $\Phi 2.7 \times 205\text{mm}$   
A0210 0°  
A0211 30°



N1101 Working cannula



- Electrode
- N3101 Hook
- N3102 Blunt
- N3103 Needle
- N3104 Bipolar electric coagulator



N1003 Endoscope holder



N2101 Micro scissors, sharp, flexible  $\Phi 2 \times 300\text{mm}$



N2102 Micro scissors, blunt, flexible  $\Phi 2 \times 300\text{mm}$



N2103 Micro biopsy forceps, flexible  $\Phi 2 \times 300\text{mm}$



N2104 Micro grasping forceps, flexible  $\Phi 2 \times 300\text{mm}$

## Naso-Pharyngo-Laryngo-Fiberscope "BLUELINE"



### 801.3400

Naso-Pharyngo-Laryngo-Fiberscope "BLUELINE"

Ø 3,4 mm, 30 cm long,

fully immersible, gas sterilisation,

Angulation: upward 150°, downward 150°,

Direction of view: 0°, Field of view: 80°

Depth of field: 1-50 mm, Weight: 265 g

inclusive standard accessories:

carrying case, ETO-Cap, leakage tester, instr. manual

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DELIVERY TIME: APPROX. 4-6 WEEKS !

Country of origin: Federal Republic of Germany !

Prices: net, ex works (freight charges not included).



## Naso-Pharyngo-Laryngo-Fiberscope "BLUELINE"



### 801.2801

Naso-Pharyngo-Laryngo-Fiberscope "BLUELINE"

Ø 2,8 mm, 30 cm long,

fully immersible, gas sterilisation,

Angulation: upward 150 °, downward 150 °,

Direction of view: 0, Field of view: 80

Depth of field: 1-50 mm, Weight: 265 g

inclusive standard accessories:

carrying case, ETO-Cap, leakage tester, instr. manual

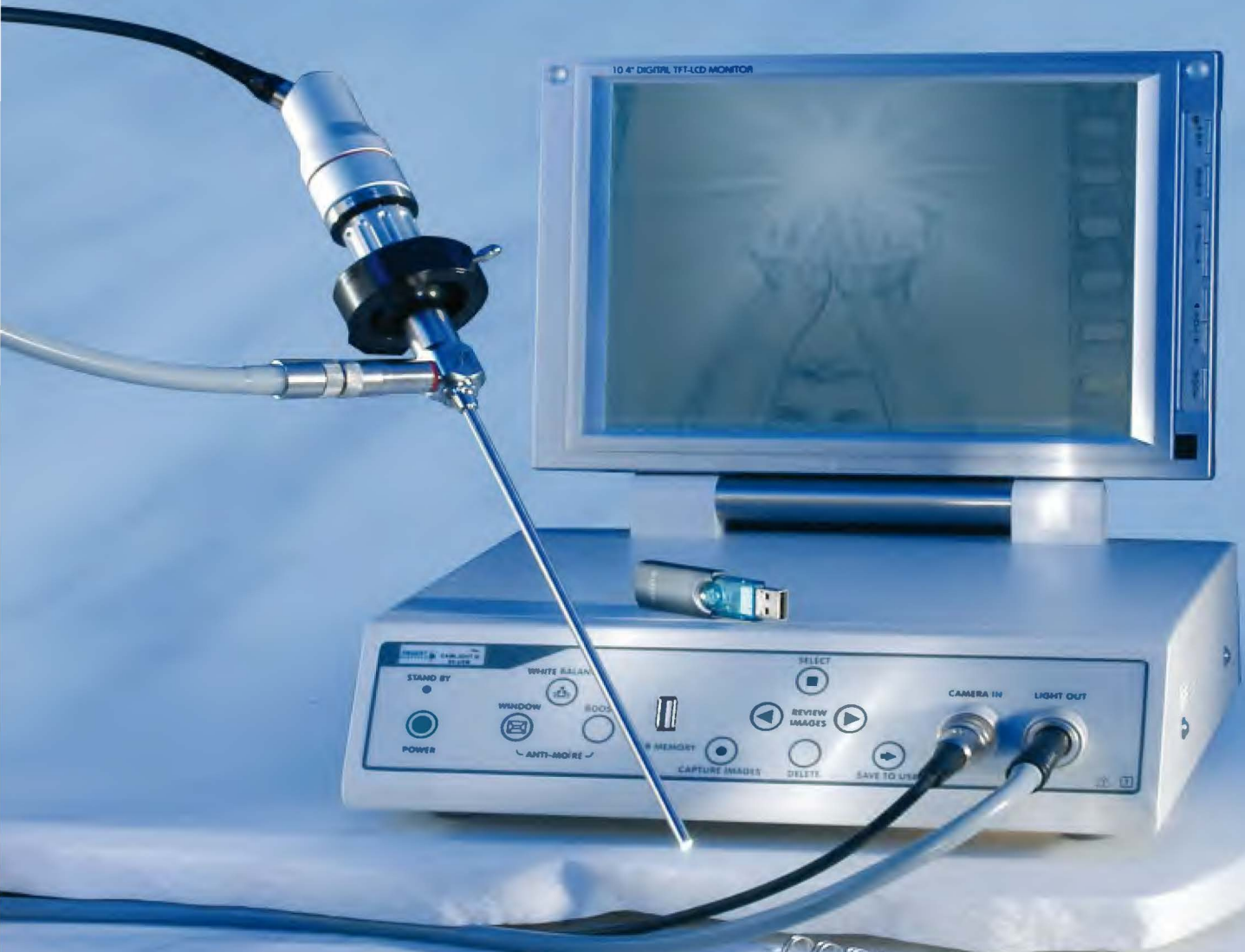
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DELIVERY TIME: APPROX. 4-6 WEEKS! Country of origin: Federal Republic of Germany ! Prices: net, ex works (freight charges not included).

**ECO-LINE**



# ARCC



# DigiCAM 2.0

mit USB-LED-Leuchtgriff "Helios 2" (Abb. siehe ACC 21)  
with USB-LED-Light handle "Helios 2" (Foto see ACC 21)



**Hochwertige Endoskopie-Digitalkamera**  
mit USB-Kabel für Anschluss an Laptop oder PC,  
mit Patientenverwaltung, Bild- und Videospeicher,  
geeignet für die Arztpraxis!

Set bestehend aus:

Art.-Nr. :	Bezeichnung :
190.0030	<b>Kamera-Handstück</b> 1/3" CCD-Chip, 440.000 Pixel C-mount-Gewinde
190.0030.K	<b>Kamerakabel USB 2.0 / 2m</b>
190.0030.T	<b>CD mit Treiber für Windows XP/Vista</b> und MedicalEDA 30 Tage Demoversion
190.0030.TK	<b>Mini-Transportkoffer, blau</b>
190.0030.X	<b>Ablagehalter für Handstück</b>
190.0043.PA	<b>TV-Adapter, F = 23 mm</b>
103.3015 + 110.9025	<b>LED-Griff "Helios 2" + USB-Kabel</b> Adapter für Endoskop
190.0031	<b>Software-Lizenz MedicalEDA</b> (für zeitlich unbegrenzte Nutzung)

(Laptop nicht enthalten !)

**High-Quality Digital-Camera for Endoscopy**  
with USB-Cable for connection to Laptop or PC,  
with patient administration, image and video capture  
suitable for the doctor's office !

Set consisting of :

Ref.-No. :	Description :
190.0030	<b>Camera hand piece</b> 1/3" CCD-Chip, 440.000 Pixel C-mount-Thread
190.0030.K	<b>Camera cable USB 2.0 / 2m</b>
190.0030.T	<b>CD with driver for Windows XP/Vista</b> and MedicalEDA 30 days demo version
190.0030.TK	<b>Mini transport suitcase, blue</b>
190.0030.X	<b>Holder for hand piece</b>
190.0043.PA	<b>TV-Adapter, F = 23 mm</b>
103.3015 + 110.9025	<b>LED-Handle "Helios 2" + USB cable</b> Adapter for Endoscope
190.0031	<b>Software License MedicalEDA</b> (for unlimited use)

(Laptop not included !)

The image shows a white endoscopic camera system. The main part is a white cylindrical handle with a black control knob at the top. A blue and grey cable is attached to the side. The brand name 'FIEGERT ENDOTECH' is printed on the white handle. The background is a blue abstract graphic with a USB port icon at the top left.

„digiCAM 2.0“

USB cable

LED lightsource „Helios 2“

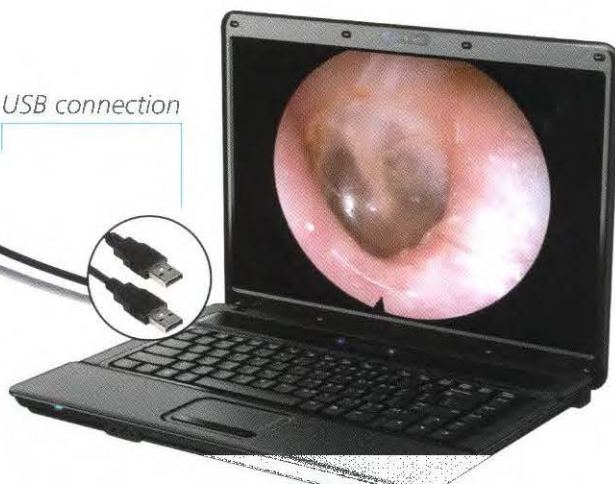
*Gone are the days of expensive endoscopy towers with a high space requirement and large individual devices, limited opportunities and analog image signal! With the „digiCAM 2.0“ from Fiegert-Endotech you can carry your complete digital endoscopy solution in a small laptop bag. And best of all: You can use your existing PC or laptop for your endoscopic procedures!*

*The „digiCAM 2.0“ is the synthesis between current USB computer technology and innovative LED lighting engineering. It is the all in one, high-quality diagnostic and documentation unit for endoscopy in today's medical practice.*

*This state-of-the-art Medical CCD-Camera needs no additional light or power source. The connection is done via a USB 2.0 cable directly to your PC or, if full mobility is required, to your laptop(notebook).*

*It delivers a bright, sharp and distortion-free image on each display. Photos and videos can be recorded simply by means of a single finger switch on the camera handpiece.*

USB connection





USB cable

## Software „MedicalEDA“

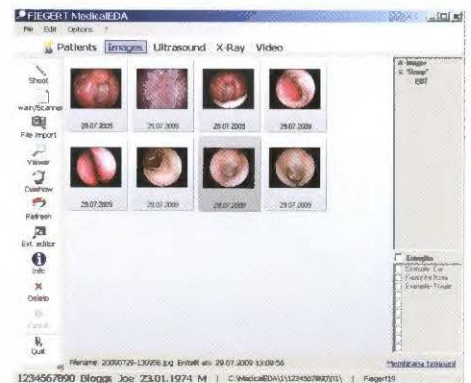
### Patient data base

The patient data base allows you to enter all of the necessary data for the patient by using the keyboard. Then, images and videos can be recorded and stored.



### Image acquisition

Captured pictures appear in the patients image overview chronologically arranged.



### Viewer

Stored images can be displayed and discussed via the viewer or a slide show. This includes a before/after function as well as a zoom function.



The easy-to-use **patients administration software „MedicalEDA“** with integrated image and video capture possibility supports the concept of effective and easy handling in the doctor's office.

Since the software is **network compatible**, usage of the endoscopy camera at different workstations is possible without any problems.

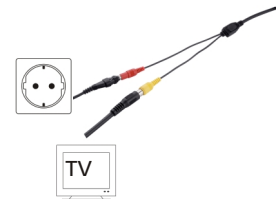
Thanks to a programmed standard driver based on Microsoft you can operate the camera to the popular operating systems Windows 7®, Windows Vista®, Windows XP® and Windows 2000®.

### Video recording

Video sequences can be recorded and then played with the integrated video module. If necessary, an image can be extracted from a selected point in the sequence.



## CT 300 - 1-Chip-CCD-Camera, Low-Cost-Model



**Mikro-Kamera CT 300  
ohne Kontrolleinheit  
für Diagnostik in Arthroskopie / HNO**

Micro-Camera CT 300  
without control unit  
for diagnostics in Arthroscopy / ENT

<u>TV-System</u>	<u>Ref.-No.</u>
PAL	179.0300.P
NTSC	179.0300.N

**TECHNISCHE DATEN**

Bild 1/3" Interline Transfer CCD  
Pixel PAL 752(H) x 582(V) / NTSC 786(H) x 494 (V)  
Spannung DC 12 V  
Schwarzer Stecker: Netzanschluss (zum Trafo)  
Gelber Stecker: Video-Anschluss  
Schwarzer Druckknopf: Kaltlicht, blau  
Roter Druckknopf: Warmlicht, rot

**Erforderliches Zubehör:**

Art.-No. 179.0300.T Trafo, 110-240V / 12 V/DC 1A  
Art.-No. 179.0300.V Verbindungskabel z. Monitor

Hergestellt und geprüft nach: CE

**TECHNICAL DATA**

Image 1/3" Interline Transfer CCD  
Pixel PAL 752(H) x 582(V) / NTSC 786(H) x 494 (V)  
Supply voltage DC 12 V  
Black plug: D/C connector (to transformer)  
Yellow plug: Video connector  
Black button: Coldlight, blue  
Red button: Warmlight, red

**Necessary Accessories:**

Art.-No. 179.0300.T Trafo, 110-240 V / 12 V/DC 1A  
Art.-No. 179.0300.V Connecting-cable to Monitor

Produced and tested acc.: CE

## ECO LINE



### CAMERA Cámara



A2500D F068D  
Water proof, single chip  
Impermeable, un chip



A2500A F168D  
Water proof, single chip  
Impermeable, un chip

### COUPLER Coupler



Coupler, light splitting  
Coupler, divisor de luz

Focus length  
A2513.2 F18  
A2513.4 F25  
A2513.6 F36  
Longitud de enfoque



Coupler, straight  
Coupler, recto

Focus length  
A2513.1 F18  
A2513.3 F25  
A2513.5 F36  
longitud de enfoque

### MEDICAL INSTRUMENTS STERILIZING BOX Caja de esterilización para instrumentos médicos



A0000.1  
For cystoscopy set  
530 x 230 x 90mm  
Para set de cistoscopia



19000100  
Endoscope & instruments  
550 x 245 x 70mm  
Para endoscopios e instrumentos



A0000.4  
For endoscope 390x71x36mm  
Para endoscopio



B0000.2  
For sinuscopy set 360 x 255 x 70mm  
Para set de sinuscopia



A0000.2  
For resectoscopy set  
420 x 275 x 90mm  
Para set de resectoscopia



F0000  
For electric hystera-cutter  
560 x 275 x 140mm  
Para histero-cortador eléctrico



B0000.3  
For sinuscopy instruments  
380 x 210 x 70mm  
Para instrumentos de sinuscopia

## ECO LINE

### CAMERA SYSTEM - SISTEMA DE CAMARA PARA ENDOSCOPIA



A2500d F-068D  
Single chip, water proof



A2500f 618  
Single chip, water proof, LCD panel



A2500e 638  
Three chip, water proof, LCD touch panel

### COUPLER - ADAPTADOR TV CON C-MOUNT



Coupler, Straight

Code	Focal length
A2513.1	F18
A2512.3	F22
A2513.3	F25
A2512.1	F27
A2517	F28
A2513.5	F36

### MEDICAL INSTRUMENTS STERILIZING BOX - CAJAS PARA ESTERILIZACION



A0000.1  
For cystoscopy set  
530X230X90mm



A0000.2  
For resectoscopy set  
420X275X90mm



B0000.3  
For sinuscopy instruments  
380X210X70mm



B0000.2  
For sinuscopy set  
360X255X70mm



F0000  
For electric hystera-cutter  
560X275X140mm



19000100 Endoscope.  
Instruments in common use  
550X245X70mm



B0000  
For endoscope  
280X70X50mm



B0000.4  
For endoscope  
255X71X36mm



B0000.5  
For endoscope, autoclavable  
255X71X36mm



A0000.4  
For endoscope, autoclavable  
390X71X36mm

## ECO LINE

COLD LIGHT SOURCE - PROYECTORES DE LUZ FRIA



T5040 LED



T5001 PL-150 Halogen, double lamps 150W



T5002.1 GL-350E Xenon 350W



T5002.3 GL-50 Xenon 50W

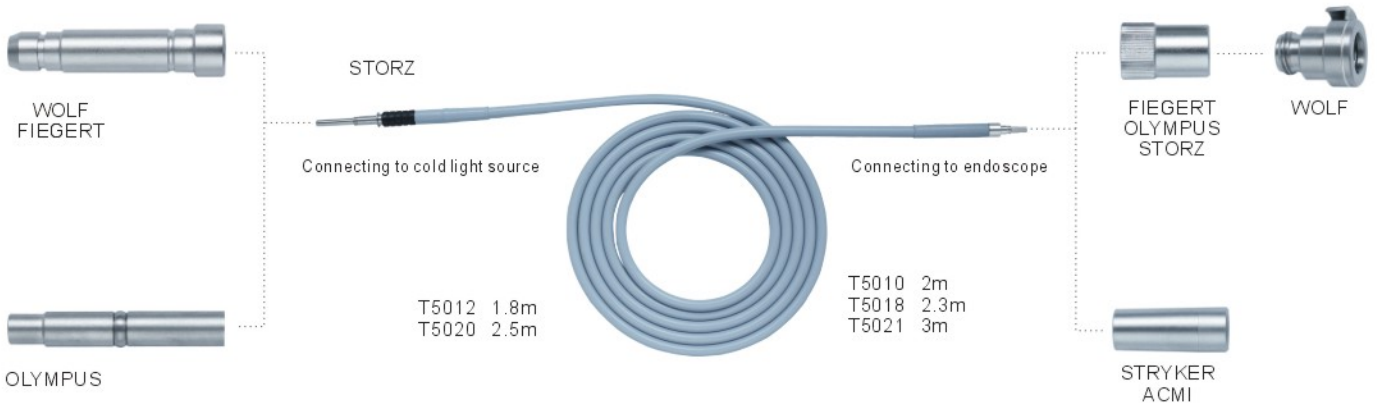


T5004 PL-300 Halogen, double lamps



T5007.6 Portable cold light source (with charger)

## LIGHT GUIDE CABLE DIAGRAM - DIAGRAMA DE CABLE DE LUZ



## ADAPTOR - ADAPTADORES



T1003 Adaptor, for WOLF endoscope



T1004 Adaptor, for WOLF, FIEGERT cold light source



T1005 Adaptor, for OLYMPUS cold light source



T1006 Adaptor, for STRYKER light guide cable



T1007 Adaptor, for ACMI light guide cable



T1008 Adaptor, for ACMI, STRYKER endoscope

## ECO LINE

### ENDOSCOPY CAMERA SYSTEM - SISTEMA DE CAMARA PARA ENDOSCOPIA



#### A2501.4 Video Trolley (alone)

#### NT-618 Endoscopy Camera System(Water Proof, LCD Panel)

- 1 618 Single chip medical camera(LCD Panel),480lines,immersible camera lens from Janpan
- 2 Coupler, Water Proof
- 3 15" SONY or 17" SAMSUNG Monitor
- 4 Pushcart,with multifunctional shelf



#### A2501.4 Video Trolley (alone)



#### NT-501 Endoscopy Camera Documentation System

- 1 F-168D CCD camera,625lines
- 2 Coupler,F23,Water Proof
- 3 Pushcart,with multifunctional shelf
- 4 Computer, Intel/1G/160G/DVD Recorder
- 5 Monitor,19" LCD
- 6 Printer, HP4800DPI, high resolution print
- 7 Foot pedal
- 8 Video capture card, PHILIPS chip,highest quality of image,HD digital DVD level,dynamic magnification,dynamic filter processing
- 9 Software,can make DVD replay/record,print,many template/word stock/photo stock,powerful function of case management
10. Video teaching of the system,comprehensive teaching of the whole system
11. Automated system recovery,fast recovery to factory setting in 20mins

#### NT-601 Endoscopy Camera Documentation System

- 1 F-068D CCD camera,480lines
- 2 Coupler,F23,Water Proof
- 3 Pushcart,with multifunctional shelf
- 4 Computer, Intel/1G/160G/DVD Recorder
- 5 Monitor,19" LCD
- 6 Printer, HP4800DPI, high resolution print
- 7 Foot pedal
- 8 Video capture card, PHILIPS chip,highest quality of image,HD digital DVD level,dynamic magnification,dynamic filter processing
- 9 Software,can make DVD replay/record,print,many template/word stock/photo stock,powerful function of case management
10. Video teaching of the system,comprehensive teaching of the whole system
11. Automated system recovery,fast recovery to factory setting in 20mins

#### NT-638 Endoscopy Camera System(Water Proof, LCD Touch Panel)

- 1 638 Three chip medical camera(LCD Touch Panel),800lines,immersible camera lens from Janpan
- 2 Coupler, Water Proof
- 3 21" SONY or 15" JVC Monitor
- 4 Pushcart,with multifunctional shelf

