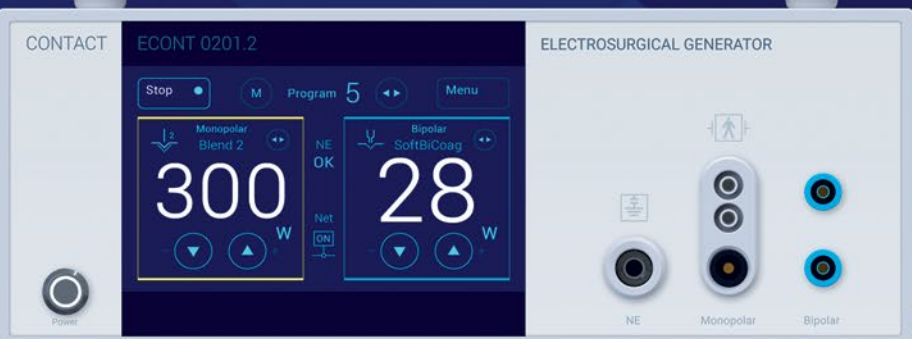
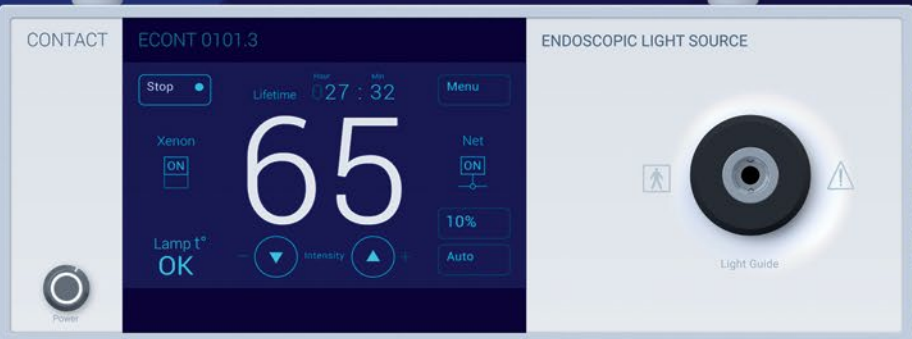




Contact  
medical innovations

## MIS Equipment Catalogue



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COMPLETE SET

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MISCELLANEOUS

# OUR COMPANY

Since 2001 Contact Co. has been engaged in manufacturing of high-quality equipment for minimally invasive surgery and leading-edge electrosurgery equipment. With a qualified team of developers and skilled workers the Contact Co. produces endoscopic equipment and ESUs as well as turn-key solutions for laparoscopy, arthroscopy, urology, bronchoscopy, gynecology and ENT.

We emphasize longevity and excellence for our products that have been developed in close cooperation with leading medical experts in minimally invasive technology. Our R&D department's engineers draw on recent research results and bring new scientific ideas into life. In cooperation with our Production department they find solutions to satisfy our customers. Because of the large quantity of different variants and models we can offer an optimized solution with excellent price-

performance ratio.

We are proud to be one of the first medical equipment production companies in Ukraine which is certified in compliance with EN ISO 13485:2012 thus guaranteeing our customers proven quality. Our products are certificated in accordance with European Directive 93/42/EEC/A5.

The know-how in medical technology and the constant strive for improvements are the keys for our success and the trust of our clients in our products.

## OUR COMPANY'S MISSION

is to improve people's lives by helping medical professionals deliver the best possible patient care through innovative technologies.





# UNIVERSAL ENDOSURGICAL COMPLETE SET

The idea to build an endosurgical complete set based on separate functional units allows adapting it to the highest customer requirements.

**ECONT-COMPLEX**, due to its universality, can be used in all fields of minimally invasive surgery: laparoscopy, gynecology, urology, arthroscopy, sinuscopy.

**ECONT-COMPLEX** is based on modern endosurgical devices developed with the use of recent progress in microelectronics and provides possibility to operate its units both in complex and separately.

Advanced technical solutions and design, high reliability, excellent price/quality/performance ratio, high service level – are those distinctive features which enable **ECONT-COMPLEX** to be the best choice for surgeons.

## ECONT-COMPLEX means:

- advanced technical solutions
- the latest electronic components and unique algorithms
- high reliability and safety in use
- convenience and efficiency of surgeon's work
- 2 years of a guarantee, service for all lifetime
- attractive price.

## MEDICAL CART

### SPM-001 MEDICAL CART

SPM-001 medical cart is intended for placing endosurgical (endoscopic) equipment on its 5 adjustable shelves.

### FEATURES:

- all wiring can be made hidden in side racks
- 8 socket-outlets with interferences filtering
- articulating supporting arm for TFT monitor (option)
- holder for flexible endoscopes (option)
- compartment with lock for accessories
- mountable enclosure with door at back side of cart (option)
- easy and soft rolling motion
- locking brakes on forewheels for safety use
- attractive appearance



### ORDERING DATA:

- 01.0001.200** SPM-001 Medical cart
- 01.0001.201** Supporting arm for assistant TFT monitor
- 01.0001.202** Supporting arm for main TFT monitor
- 01.0001.203** Suction and irrigation bottles holders kit
- 01.0001.204** Cylinder holder

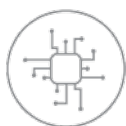
# ELECTRONIC INSUFFLATORS



Big TFT display



Comfy menu



Modern tech.



Easy to clean



## ORDERING DATA:

**01.0401.200** ECONT-0401.2 Electronic Insufflator

**01.0401.210** ECONT-0401.2 Electronic Insufflator (with gas heater)

**01.0401.300** ECONT-0401.3 Electronic Insufflator

## ECONT-0401.2



### FEATURES:

- very smooth and “intelligent” insufflation algorithm allowing to avoid sharp abdominal pressure changes
- audible and visual alarm signalling system in case of a failure (hose rupture/pinching, intra-abdominal overpressure etc.)
- display of all current and preset insufflation parameters: set/current pressure, gas flow speed, volume of gas supplied
- device can be used with gas bottles or central gas supply systems - input pressure range 4...100 bars
- insufflator is available with a high efficient gas heating subsystem (option)
- automatic self check is activated each time the unit is switched on to ensure that all electronic and pneumatic components are in good running order

## ECONT-0401.3



ECONT 0401.3 is a high-performance insufflator with friendly user interface.

### FEATURES:

- stable pressure balance in the abdomen is guaranteed by high gas flow performance (40 liters per minute) and low insufflation pressure
- patient safety is ensured by the system of protective valves, by microprocessor control with audible and visual signaling
- device can be used with gas bottles or central gas supply systems - input pressure range 4...100 bars
- big TFT display gives a quick overview of the rated and actual values of gas pressure and gas flow
- setting of the working parameters is made by touching controls on touch-screen multilanguage menu
- for eliminating of post surgery problems the insufflator is equipped with a high efficient gas heating subsystem

### SPECIFICATIONS

	ECONT 0401.2	ECONT 0401.3
Insufflation pressure, mm Hg	1 ... 30	1 ... 30
Maximum gas flow rate, l/min	30	40
Range of the gas temperature maintenance, 0C	33...36 (option)	33...36
Gas cylinder pressure indicator	Yes	Yes
Safety exsufflation valve	Yes	Yes
Display	LED	7" TFT Touch Screen
Protection class	I	I
Applied part	BF	BF
Standard	EN 60601-1; classification acc. to MDD 93/42/EEC: IIa	
Mains voltage, V	230	230
Dimensions, mm	350x140x350	350x140x350
Weight, kg	7,8	8,3

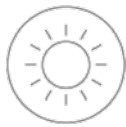
# ELECTRONIC INSUFFLATORS



High performance



Smart Continuous  
Flow Algorithm



Gas heating  
system



High level of  
patient safety



Smoke  
evacuation



## ORDERING DATA:

**01.0401.500** ECONT-0401.5 Continuous Flow Electronic Insufflator



## ECONT-0401.5 CONTINUOUS FLOW ELECTRONIC INSUFFLATOR

The insufflator maintains pneumoperitoneum under extreme conditions for reliability during all laparoscopic procedures. It offers real time pressure sensing for increased accuracy during a procedure.

Active exsufflation in case of continuing excess pressure in the connected body cavity is taken for higher patient safety.

## ECONT-0401.5



### SAFETY

- automatic computer-supported check on device soft- and hardware when turning the unit on
- internal gas exsufflation valve is activated for automatical reduction of dangerous intraabdominal overpressure

of the body cavity, thus an optimized filling speed is achieved with fully automatic, situation-related insufflation pressure values. A continuous gas flow provides a filling procedure with small pressure fluctuations in the body cavity and a high average insufflation performance

### ERGONOMIC DESIGN

- big 7" TFT display gives a quick overview of the rated and actual values of gas pressure, gas flow, alarms etc.
- setting of the working parameters is made by touching controls on touch-screen multilanguage menu

### GAS HEATING

- for eliminating of post surgery problems the insufflator is equipped with a high efficient gas heating subsystem

### PERFORMANCE

- high flow rate capacity of 45 l/min quickly compensates for even big gas losses
- insufflator's Smart Continuous Flow algorithm ensures insufflation depending on the filling level

### SMOKE EVACUATION

- evacuation of smoke and mist generated during electrosurgery and ultrasonic procedures can be made by pressing the footswitch

### GAS SUPPLY

- device can be used with gas bottles or central gas supply systems - input pressure range 4...100 bars

### SPECIFICATIONS

### ECONT 0401.5

Insufflation pressure, mm Hg	1 ... 30
Maximum gas flow rate, l/min	45
Range of the gas temperature maintenance, 0C	33...36
Gas cylinder pressure indicator	Yes
Active exsufflation, Smoke evacuation	Yes / Yes
Display	7" TFT Touch Screen
Protection class	I
Applied part	BF
Standard	EN 60601-1; classification acc. to MDD 93/42/EEC: IIa
Mains voltage, V	230
Dimensions, mm	350x140x350
Weight, kg	7,8

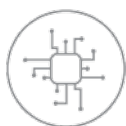
# ELECTROSURGICAL GENERATORS



Big TFT display



Comfy menu



High performance



Easy to clean



## ORDERING DATA:

**01.0201.100** ECONT-0201.1 High frequency electrocautery generator

**01.0201.200** ECONT 0201.2 High frequency electrocautery generator

## ECONT-0201.1



## FEATURES:

- adaptive system with output power stabilization in wide range of tissue resistances (100-1000 Ohms)
- neutral electrode continuity and LF current leakage monitoring that ensure safety
- self-test of the generator and accessories after switching the power on
- monopolar modes activation: by footswitch or handle
- monopolar cutting in liquid (TUR mode)
- up to 9 frequently used by surgeon modes can be saved in memory
- flat front panel, easy to clean, with pushbuttons for modes and power regulation

## ECONT-0201.2



## FEATURES:

- adaptive system with output power stabilization in wide range of tissue resistances (100-1000 Ohms)
- neutral electrode continuity and LF current leakage monitoring that ensure safety
- self-test of the generator and accessories after switching the power on
- monopolar modes activation: by footswitch or handle
- monopolar cutting in liquid (TUR mode)
- up to 9 frequently used by surgeon modes can be saved in memory
- flat front panel, easy to clean, with touch screen menu for modes and power regulation
- colour 7" TFT monitor displays effective output power levels in all operating modes

## SPECIFICATIONS

## ECONT 0201.1

## ECONT 0201.2

## Monopolar cutting

Pure cutting	300W at 300 Ohm	300W at 300 Ohm
TUR cutting	300W at 300 Ohm	300W at 300 Ohm
Blend1	180W at 300 Ohm	180W at 300 Ohm
Blend2	210W at 300 Ohm	210W at 300 Ohm

## Monopolar coagulation

SoftCoag	100W at 300 Ohm	100W at 300 Ohm
ForcedCoag	120W at 300 Ohm	120W at 300 Ohm

## Bipolar coagulation

Bicoag1	90W at 200 Ohm	90W at 200 Ohm
Bicoag2	90W at 200 Ohm	90W at 200 Ohm
Generator operation frequency	440 kHz	440 kHz
Display / Controls	LED / pushbuttons	7" TFT / touch screen
Protection class	I	I
Applied part	BF	BF
Classification acc. to MDD 93/42 ECC	IIb	IIb
Low-frequency leakage currents	acc. to IEC 60601-1	acc. to IEC 60601-1
High-frequency leakage currents	acc. to IEC 60601-2-2	acc. to IEC 60601-2-2
Mains voltage, V	230	230
Power consumption, W, max.	650	650
Dimensions, mm	320x140x350	350x140x350
Weight, kg	7,3	7,3

# ELECTROSURGICAL SYSTEM



Argon Plasma



Modes



Vessel Sealing



Easy to clean



## ORDERING DATA:

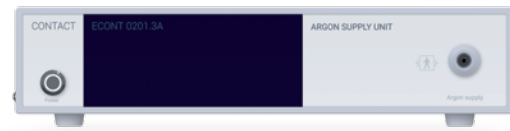
**01.0201.300** ECONT-0201.3 High frequency electrosurgical generator

**01.0201.310** ECONT-0201.3A Argon supply unit

## ECONT-0201.3



## ECONT-0201.3A



## FEATURES:

- two monopolar and one bipolar outputs
- adaptive algorithm with output power maintaining for wide range of tissue resistances (100-1000 Ohms)
- neutral electrode continuity and LF/HF current leakage monitoring
- self-test of the generator and accessories after switching the power on
- monopolar modes activation: by footswitch or handle
- fully automatic vessel sealing system
- special mono- and bipolar modes for arthroscopy, urology and gynaecology
- Autostart/Autostop for mono- and bipolar modes
- up to 100 personal user presets (programs)
- flat front panel, easy to clean, with pushbuttons for modes and power regulation
- colour TFT monitor displays effective output power levels in all operating modes

## SPECIFICATION

## VALUE

## Monopolar Modes

## Monopolar cutting

Forced cut (Hemostasis 0...7)	400W at 500 Ohm
Standard cut 1 (Hemostasis 0...7)	100W at 300 Ohm
Standard cut 2 (Hemostasis 0...7)	200W at 400 Ohm
Standard cut 3 (Hemostasis 0...7)	300W at 400 Ohm
Standard cut 4 (Hemostasis 0...7)	300W at 500 Ohm
Uro cut	300W at 300 Ohm
Pure cut	75W at 200 Ohm
Precise cut	50W at 200 Ohm
Pulsed cut	300W at 300 Ohm
Pulsed cut (Hemostasis 0...7)	120W at 500 Ohm

## Bipolar modes

## Bipolar cutting

Bipolar cut (Hemostasis 0...7)	100W at 100 Ohm
Uro bi-cut	300W at 100 Ohm
Arthro bi-cut 1	300W at 100 Ohm
Arthro bi-cut 2	300W at 100 Ohm
Arthro bi-cut 3	300W at 100 Ohm

## Vessel sealing

Vessel sealing (Lap 5mm)	100W at 20 Ohm
Vessel sealing (Lap 10mm)	300W at 20 Ohm
Vessel sealing (Gen. surgery)	300W at 20 Ohm

## General Specifications

Generator operation frequency	440 kHz
Display / Controls	TFT / pushbuttons
Protection class	I
Applied part	CF
Classification acc. to MDD 93/42 ECC	I Ib

## SPECIFICATION

## VALUE

## Monopolar coagulation

Soft coag	120W at 100 Ohm
Forced coag 1	150W at 400 Ohm
Forced coag 2	150W at 500 Ohm
Forced coag 3	150W at 500 Ohm
Uro coag	50W at 300 Ohm
Arthro coag	50W at 300 Ohm
Spray coag	120W at 2000 Ohm
Argon coag*	120W at 2000 Ohm
Argon endo coag*	120W at 2000 Ohm
* with Argon supply unit installed	

## Bipolar coagulation

Micro bi-coag	60W at 100 Ohm
Standard bi-coag	100W at 100 Ohm
Forced bi-coag	150W at 100 Ohm
Auto bi-coag	300W at 20 Ohm
Uro bi-coag	120W at 100 Ohm
Arthro bi-coag	120W at 100 Ohm

Low-frequency leakage currents	acc. to IEC 60601-1
High-frequency leakage currents	acc. to IEC 60601-2-2
Mains voltage, V	230
Power consumption, VA, max.	690
Dimensions, mm / Weight, kg	350x140x350 / 8,0



# ENDOSCOPIC LIGHT SOURCES



Big TFT display



Comfy menu



Modern tech.



Easy to clean

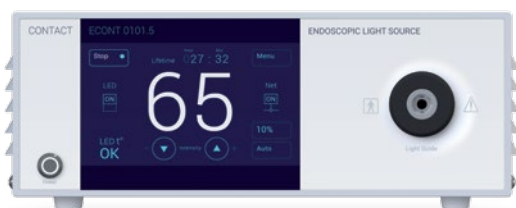


## ORDERING DATA:

**01.0101.500** ECONT-0101.5 Endoscopic light source (LED)

**01.0101.300** ECONT-0101.3 Endoscopic light source (Xenon)

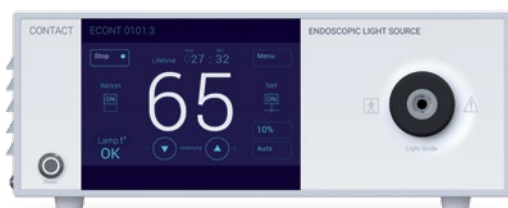
## ECONT-0101.5 (LED)



## FEATURES:

- latest LED technology
- extremely long LED service life – more than 50 000 hrs.
- high intensity light output (equivalent to 300W Xenon)
- low noise, low heat conduction
- electronic light control via touch screen
- menu language selection
- pure daylight quality
- waterproof touch control panel
- non-volatile memory user settings
- display the current settings on the color 7" TFT monitor

## ECONT-0101.3 (Xenon)



## FEATURES:

- xenon lamp power 300W
- high intensity light output
- low noise, low heat conduction
- electromechanical light control via touch screen
- menu language selection
- pure daylight quality
- waterproof touch control panel
- non-volatile memory user settings
- display the current settings on the color 7" TFT monitor

## SPECIFICATIONS

## ECONT 0101.5 (LED)

## ECONT 0101.3 (Xenon)

Light source lifetime, hrs	50 000	500
Light source power (LED or Xenon), W	90	300
Light colour temperature, K	5600	5600
Adjustment of light intensity, %	0 ... 100	10 ... 100
Intensity adjustment	electronically	electromechanically
Controls	Touch Screen	Touch Screen
Protection class	I	I
Applied part	BF	BF
Standard	EN 60601-1; classification acc. to MDD 93/42/EEC: I	
Dimensions, mm	350x150x350	350x150x350
Weight, kg	6,4	8,8
Mains voltage, V	230	230

# ENDOSCOPIC LIGHT SOURCES

## ECONT-0101.4 (LED)



### FEATURES:

- latest LED technology
- high intensity light output (equivalent to 300W Xenon) at low power consumption
- extremely long LED service life – more than 50 000 hrs.
- low noise, low heat conduction
- electronic light control via buttons
- pure daylight quality
- waterproof control panel

## ECONT-0101.1 (Xenon)



### FEATURES:

- xenon lamp power 300W
- low noise, low heat conduction
- electromechanical light control via buttons
- pure daylight quality
- waterproof control panel

### SPECIFICATIONS

#### ECONT 0101.4 (LED)

#### ECONT 0101.1 (Xenon)

Light source lifetime, hrs	50 000	500
Light source power (LED or Xenon), W	90	300
Light colour temperature, K	5600	5600
Adjustment of light intensity, %	0 ... 100	30 ... 100
Intensity adjustment	electronically	electromechanically
Controls	pushbuttons	pushbuttons
Protection class	I	I
Applied part	BF	BF
Standard	EN 60601-1; classification acc. to MDD 93/42/EEC: I	
Mains voltage, V	230	230
Dimensions, mm	350x150x350	350x150x350
Weight, kg	7,1	8,4

### ORDERING DATA:

**01.0101.100** ECONT-0101.1 Endoscopic light source (Xenon)

**01.0101.400** ECONT-0101.4 Endoscopic light source (LED)

# SUCTION-IRRIGATION UNITS

## ECONT-0301.2



### FEATURES:

- based on a high performance pump
- minimal level of acoustic noise
- aspirates out not only liquid components but small blood conglomerations as well
- controlled by footswitch
- special spike enables quick irrigation bottle replacement

## ECONT-0301.3



### FEATURES:

- based on a high performance pump
- minimal level of acoustic noise
- aspirates out not only liquid components but small blood conglomerations as well
- special spike enables quick irrigation bottle replacement
- suction or irrigation modes are activated by an instrument (Auto mode) or footswitch (Footswitch mode);
- automatic standby function keeps the pressure available and reduces the noise if the system is in use

### SPECIFICATIONS

	ECONT 0301.2	ECONT 0301.3
Max vacuum in aspiration channel, mm Hg	700	700
Max overpressure in irrigation channel, mm Hg	300	300
Maximal liquid outgo, l/min	5	5
Controls	footswitch	footswitch, automatic
Protection class	I	I
Applied part	BF	BF
Standard	EN 60601-1; classification acc. to MDD 93/42/EEC: IIa	
Mains voltage, V	230	230
Power consumption, W, max.	70	70
Dimensions, mm	325x85x350	325x85x350
Weight, kg	5,3	5,6

### ORDERING DATA:

**01.0301.200** ECONT-0301.2 Aspiration-irrigation unit

**01.0301.300** ECONT-0301.3 Aspiration-irrigation unit

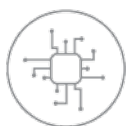
# ENDOSCOPIC VIDEO CAMERAS



Big TFT display



Comfy menu



Modern tech.



Easy to clean



## ORDERING DATA:

**01.2301.100** ECONT-2301.1 Endoscopic video system

**01.2002.210** ECONT-2002.2 1CCD Endoscopic video camera



## ECONT-2301.1



**ECONT-2301.1 Endoscopic Video System:**  
1CMOS FHD Video Camera + LED Light Source

### FEATURES:

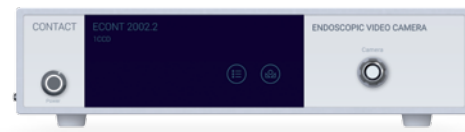
#### CAMERA:

- 1x1/3" 16:9 CMOS ultra high sensitive image sensor
- full HD resolution: 1920 x 1080p
- 4 programmable control buttons on camera head
- 8 Endoscope scenes for using different type of endoscopes
- up to 10x digital Zoom, Mirror and Freeze functions
- built-in recording module for saving HD movies/stills on USB media (memory stick, HDD)

#### LIGHT SOURCE:

- high intensity LED light output (equivalent to 300W Xenon) at low power consumption
- extremely long LED service life - more than 50 000 hrs.
- full touch screen control for both camera and LED light source

## ECONT-2002.2



**ECONT-2002.2 1CCD Endoscopic Video Camera**

### FEATURES:

- 1x1/3" 4:3 CCD ultra high sensitive image sensor
- 5 types of endoscopy settings
- up to 2,5x digital Zoom and Freeze functions
- Mirror, Rotation and Flip functions
- digital anti-Moire function for flexible endoscopes
- 3 programmable control buttons on the camera head
- input of patient information via external keyboard
- DVI-D output



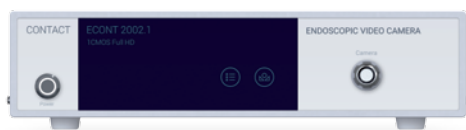
ECONT-2002.2 camera head

### SPECIFICATIONS

	ECONT 2301.1	ECONT 2002.2
TV-standard	Full HD 1920(H) x 1080(V) pix. — progressive scan	PAL (752(H) x 582(V) pix.) or — NTSC (768(H) x 494(V) pix.)
Image sensor	1 x 1/3" CMOS	1 x 1/3" CCD
Resolution, TV lines	>1100	500
Signal to noise ratio, dB	54	54
Minimal illumination, lx	0,1	0,1
Video outputs	2xHDMI, 1xEthernet, 1xHD SDI*, 1xRGB(SXVGA), 1xDVI-D	2xCVBS, 2xS-Video, DVI-D
Electronic Zoom	1x ... 10x	1x ... 2,5x
Standard	Protection class: I; Applied part: BF; classification acc. to MDD 93/42/EEC: I	
Shutter speed, 1/s	1/50...1/50 000	1/50...1/50 000
Mains voltage, V	230	230
Dimensions, mm/Weight, kg	350x150x350 / 7,5	320x85x230 / 3,0

# ENDOSCOPIC VIDEO CAMERAS

## ECONT-2002.1



### ECONT-2002.1 1CMOS Full HD Endoscopic Video Camera

#### FEATURES:

- 1x1/3" 16:9 CMOS image sensor
- full HD resolution: 1920 x 1080p
- 3 programmable control buttons on camera head
- 5 Endoscope settings for using different type of endoscopes
- standard definition video output for backward compatibility
- up to 2,5x digital Zoom function
- Freeze, Mirror and Flip functions



ECONT-2002.1 camera head

## ECONT-2002.3



### ECONT-2002.3 3CMOS Full HD Endoscopic Video Camera

#### FEATURES:

- 3x1/3" 16:9 CMOS image sensors
- full HD resolution: 1920 x 1080 pix. with progressive scan
- new image enhancement functions on clarity and color
- 5 Endoscope settings for using different type of endoscopes
- up to 2,5x digital Zoom function and Freeze function
- Mirror, Flip and Rotation functions
- built-in recording module for saving HD movies/stills on USB media (memory stick, HDD) (option)



ECONT-2002.3 camera head

#### SPECIFICATIONS

	ECONT 2002.1	ECONT 2002.3
Image resolution	Full HD 1920(H) x 1080(V) pix. progressive scan	Full HD 1920(H) x 1080(V) pix. progressive scan
Image sensor	1 x 1/3" CMOS	3 x 1/3" CMOS
Resolution, TV lines	>900	>1000
Signal to noise ratio, dB	54	56
Minimal illumination, lx	<3,0	2,0
Video outputs	2xCVBS*, 2xS-Video*, 1xRGB(SXVGA)*, 2xDVI-D	2xCVBS*, 2xS-Video*, 2x3G-SDI*, 1xRGB(SXVGA)*, 2xDVI-D
Electronic Zoom	1x ... 2,5x	1x ... 2,5x
Standard	Protection class: I; Applied part: BF; classification acc. to MDD 93/42/EEC: I	
Shutter speed, 1/s	1/50 ... 1/50 000	1/50 ... 1/50 000
Mains voltage, V	230	230
Dimensions, mm/Weight, kg	320x85x328 / 4,5	320x85x328 / 4,5

#### ORDERING DATA:

- 01.2002.100** ECONT-2002.1 1CMOS Full HD Endoscopic video camera
- 01.2002.110** ECONT-2002.1 1CMOS Full HD Endoscopic video camera (with recording option)
- 01.2002.300** ECONT-2002.3 3CMOS Full HD Endoscopic video camera
- 01.2002.310** ECONT-2002.3 3CMOS Full HD Endoscopic video camera (with recording option)

# UNIVERSAL FLUID PUMP

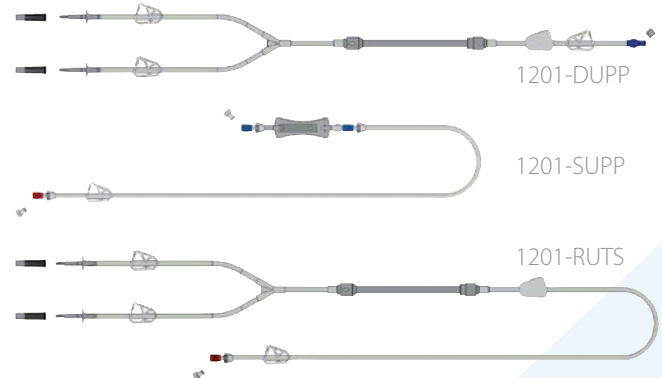
## ECONT-1201



### FEATURES:

- device can be used in 4 modes: Laparoscopy, Arthroscopy, Urology and Hysteroscopy
- FLUSH function enables efficiency increase of fluid flow up to 2 l/min
- LEVEL function gives a possibility to calibrate the measuring system by the user relative to the operation area for real pressure measurement in the operating area. The regulation range is between -100 cm and +100 cm.
- two pressure sensors to ensure safety in case of failure of one of them

### Accessories



- big 7" TFT display gives a quick overview of the rated and actual values of working modes, parameters, alarms etc.
- setting of the working parameters is made by touching controls on touch-screen multilanguage menu
- embedded software that checks all critical parameters of the device
- non-volatile memory of the latest settings
- overpressure protection.

### SPECIFICATIONS

### ECONT-1201

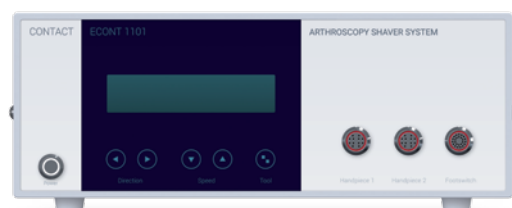
	Arthroscopy	Urology	Hysteroscopy	Laparoscopy
Pressure range, mmHg	10 – 150	10 – 150	10 – 200	Fixed
Flow range, l/min	0,1 – 2,0	0,1 – 1,0	0,05– 0,5	1,0 – 2,0
Suction performance, l/min	max. 2,0	max. 2,0	max. 2,0	max. 2,0
Deficit monitoring	No	Yes	Yes	No
CE standard	Comply with MDD 93/42/EEC			
Casing safety standard	IP X1	IP X1	IP X1	IP X1
Device classification	IIa, BF	IIa, BF	IIa, BF	IIa, BF
Dimensions, mm	306 x330 x120	306 x330 x120	306 x330 x120	306 x330 x120
Weight, kg	6,0	6,0	6,0	6,0
Mains voltage, V AC	230	230	230	230

### ORDERING DATA:

- 01.1201.100** ECONT-1201 Universal Fluid Pump
- 01.1201.110** 1201-SUPP Tubing For Fluid Pump – Single Use Patient Part
- 01.1201.120** 1201-DUPP Tubing For Fluid Pump – Day Use Pump Part
- 01.1201.130** 1201-RUTS Tubing For Fluid Pump – Reusable Tubing Set
- 01.1201.140** Differential volume scale

# ARTHROSCOPY SHAVER SYSTEM

## ECONT-1101



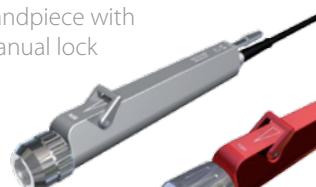
### FEATURES:

- two outputs for Handpiece. Device recognizes the connected Handpiece and automatically sets work parameters;
- two types of Handpiece blade locking system are available – manual and automatic;
- whole Handpiece is autoclavable;
- short oscillation cycles: from 0,2 sec. in whole range. Faster than even before oscillation times (constant for each speed 800 - 5000 RPM) - up to 4 times at the highest speed;
- multi-language menu (English, German, Polish, French, Russian, Turkish);
- electronically controlled protection against overloading of the Handpiece. Adjustment of torque,

### ECONT-1101 Arthroscopy Shaver System

Shaver System ECONT-1101 is intended for driving blades and surgical cutters which are used during arthroscopic surgeries.

Handpiece with manual lock



Handpiece with automatic chuck



- which prevents overloading of the system, at the same time increases the efficiency of the drive unit;
- continuous monitoring of engine rotation which provides its constant value in the performance of work by blade;
- non-volatile memory of recent settings (rotation speed, menu language);
- stable work while oscillating. Thanks to fluent start of the engine, the sharp tugs are disposed;
- additional circuit protection. It eliminates the risk of the controller damage during usage / short circuit of the Handpiece cable;
- two types of Footswitch are available - with cable and wireless.

SPECIFICATIONS	ECONT-1101.1	ECONT-1101.2	ECONT-1101.3	ECONT-1101.4
Speed range, RPM	800 – 8000	800 – 8000	800 – 8000	800 – 8000
Oscillation cycle	Slow (0,5 sec.), Normal (0,3 sec.), Fast (0,2 sec.)			
Blades chuck	manual locking	automatic chuck	manual locking	automatic chuck
Footswitch	with cable	with cable	wireless	wireless
Handpiece cable length, m	3,0	3,0	3,0	3,0
Sterilization method	Steam sterilization	Steam sterilization	Steam sterilization	Steam sterilization
Protection class	I	I	I	I
Applied part	B	B	B	B
Standard	IEC 601-1, EN 60601-1; classification acc. 93/42/EEC: IIa			
Control unit dimensions	D: 306 mm x W: 330 mm x H: 96 mm			
Control unit weight, kg	5,1	5,1	5,1	5,1
Mains voltage, V AC	100-240	100-240	100-240	100-240

### ORDERING DATA:

**01.1101.100** ECONT-1101.1 Arthroscopy Shaver System with Handpiece manual lock and cabled footswitch

**01.1101.200** ECONT-1101.2 Arthroscopy Shaver System with Handpiece automatic chuck and cabled footswitch

**01.1101.300** ECONT-1101.3 Arthroscopy Shaver System with Handpiece manual lock and wireless footswitch

**01.1101.400** ECONT-1101.4 Arthroscopy Shaver System with Handpiece automatic chuck and wireless footswitch

# MISCELLANEOUS

## TELESCOPES FOR ENDOSURGERY

### FEATURES:

- high-quality telescopes for laparoscopy, gynecology, urology, arthroscopy, sinuscopy...
- minimal distortions
- enhanced (HD) resolution
- perfect image color rendition
- fully autoclavable with 134°C/273°F

For more details refer to separate catalogue:  
<http://contact-endoscopy.com/en/catalogues/>



## FIBEROPTIC LIGHT GUIDES

### FEATURES:

- high light transmission
- increased flexibility and durability
- complete range of adapters
- fully autoclavable with 134°C/273°F

For more details refer to separate catalogue:  
<http://contact-endoscopy.com/en/catalogues/>



## INSTRUMENTS FOR ENDOSURGERY

### FEATURES:

- reusable instruments for laparoscopy, gynecology, urology, arthroscopy, sinuscopy...
- made of latest materials with using up-to-date technologies
- fully autoclavable with 134°C/273°F

For more details refer to separate catalogues:  
<http://contact-endoscopy.com/en/catalogues/>





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