

Electrosurgical and Argon Coagulation Units – ENDO ARC and ENDO Plus

Simply safe.

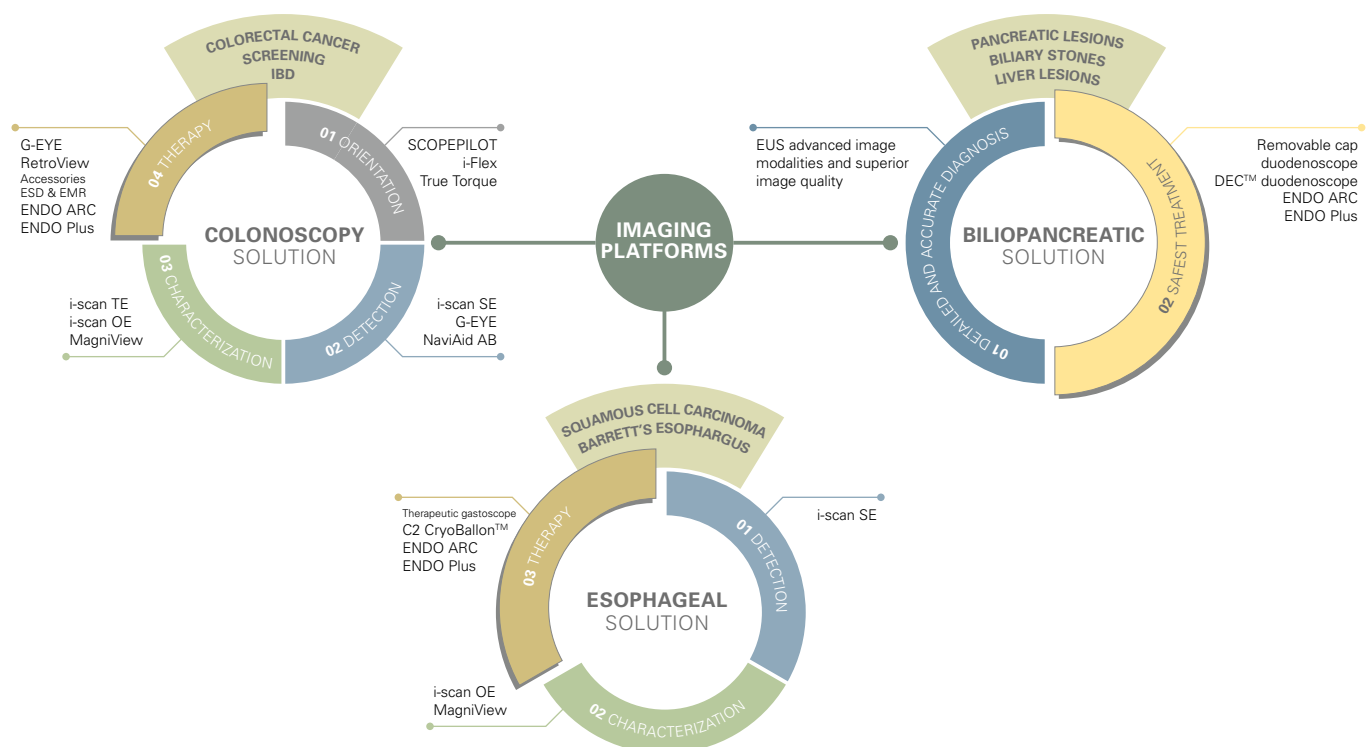


PENTAX Medical proudly presents the ENDO ARC and Plus

With this new addition to therapeutics, PENTAX Medical continues to strengthen its solutions offer.

PENTAX Medical proudly presents the ENDO ARC and Plus, its own electrosurgical and APC platforms to serve its therapeutics accessories range. The electrosurgical unit and APC strengthen PENTAX Medical solutions by completing the integrated platform—from screening to diagnostic and into therapeutics.

The ENDO ARC is a world class specialist for electrosurgical cutting and coagulation concerns, offering a great variety of customizable safe modes. Both the ENDO ARC and Plus are software-based and therefore can be updated. Service work, such as safety checks, can be carried out by hospital maintenance staff due to the products' reliability and simplicity.



A new addition to further enhance the innovative solution package.

ENDO ARC: Safe. Reliable. Easy.

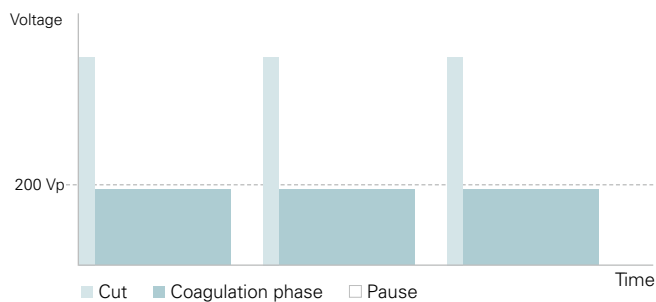
With the ENDO ARC's GastroCut modes, endoscopists can achieve the best results with polypectomies and papillotomies, as well as endoscopic resections with loops or knife electrodes. Users can variably adjust the haemostasis level of cutting and coagulation power to three speeds: slow, medium, and fast, as required. Every cut is thus optimised, and the operator can simply regulate the coagulation effect between nine different levels using the effect setting.

This allows the user to work cautiously to avoid complications, as well as proceed rapidly when the situation allows it.

Cutting modes for Endoscopy

Cutting mode	GastroCut LOOP	GastroCut KNIFE	GastroCOAG
Application	Ideal for resections with loop electrodes	Designed for cutting with needle knives or papillotomes	Designed for biopsies or removal of small polyps with hot biopsy forceps

GastroCut power type



Bipolar coagulation

To fully benefit from the safest hemostatic mode, connect the unique HemoStat WideCup (H-D2518/H-D2522) with the available bipolar adaptor (ref. 901-215) and turn in the Bipolar Standard mode on 20W.

With the HemoStat WideCup, the high-frequency electricity only flows between the cups of the forceps so there is less heat diffusion around the forceps and lower risk of deeper burning and perforation.



HemoStat WideCup in combination with ENDO ARC



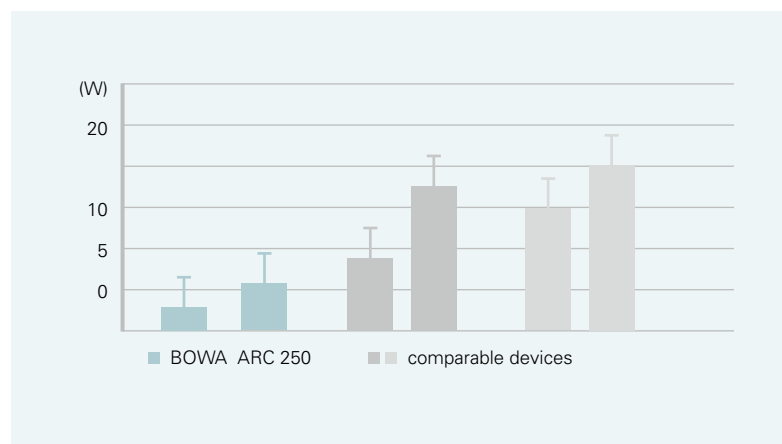
Bipolar adaptor (ref. 901-215) for HemoStat WideCup.

ENDO Plus: Safe. Contact-free. Fast.

An electrical bridge is produced between the instrument and the tissue in argon-assisted electrosurgery, with the aid of the ionisation of argon gas. Take advantage of enhanced clinical effectiveness by fast contact-free coagulation with maximum protection against perforation and simple administration.

Safety advantages and perforation safety with low power setting

Energy setting (W) for effective ignition or therapeutic effect



Literature:
 Endo today 2007; Prospektive, randomisierte Evaluation der
 Niedrig-Energie-Argonplasmakoagulation bei der endoskopischen
 Blutstillung am Gastrointestinaltrakt (GIT)
 M. Raithel, J. Hänslar, A. Stegmaier, F. Boxberger, J. Maiss,
 W. Müller, E.G. Hahn
 Med. Clinic I University of Erlangen-Nuremberg, Gastroenterology,
 Endoscopy, Funct. of Tissue Diagnostics; Conference Paper

The disposable APC probes with their round ceramic tips are atraumatic, protect the working channel of the endoscope and allow for safe and reliable low flow rates (0,4–0,6l/min).

Standard configuration for ENDO ARC:

900-250	Electrosurgical unit ENDO ARC
901-022	Double-pedal footswitch, cable 4m
431-045	Monopolar cable, endoscopy, 2.8mm socket, for 4mm, 4.5m
901-215	Bipolar adaptor
380-050	Cable, single-use return plate, international, 4.5m
900-030	Equipotential bonding, 0.5m
900-035	Equipotential bonding, 1.5m
900-031	Equipotential bonding, 5m
816-092	Neutral electrode, 90 cm ² , split, EASY (100 pcs.)
902-050	ARC CART

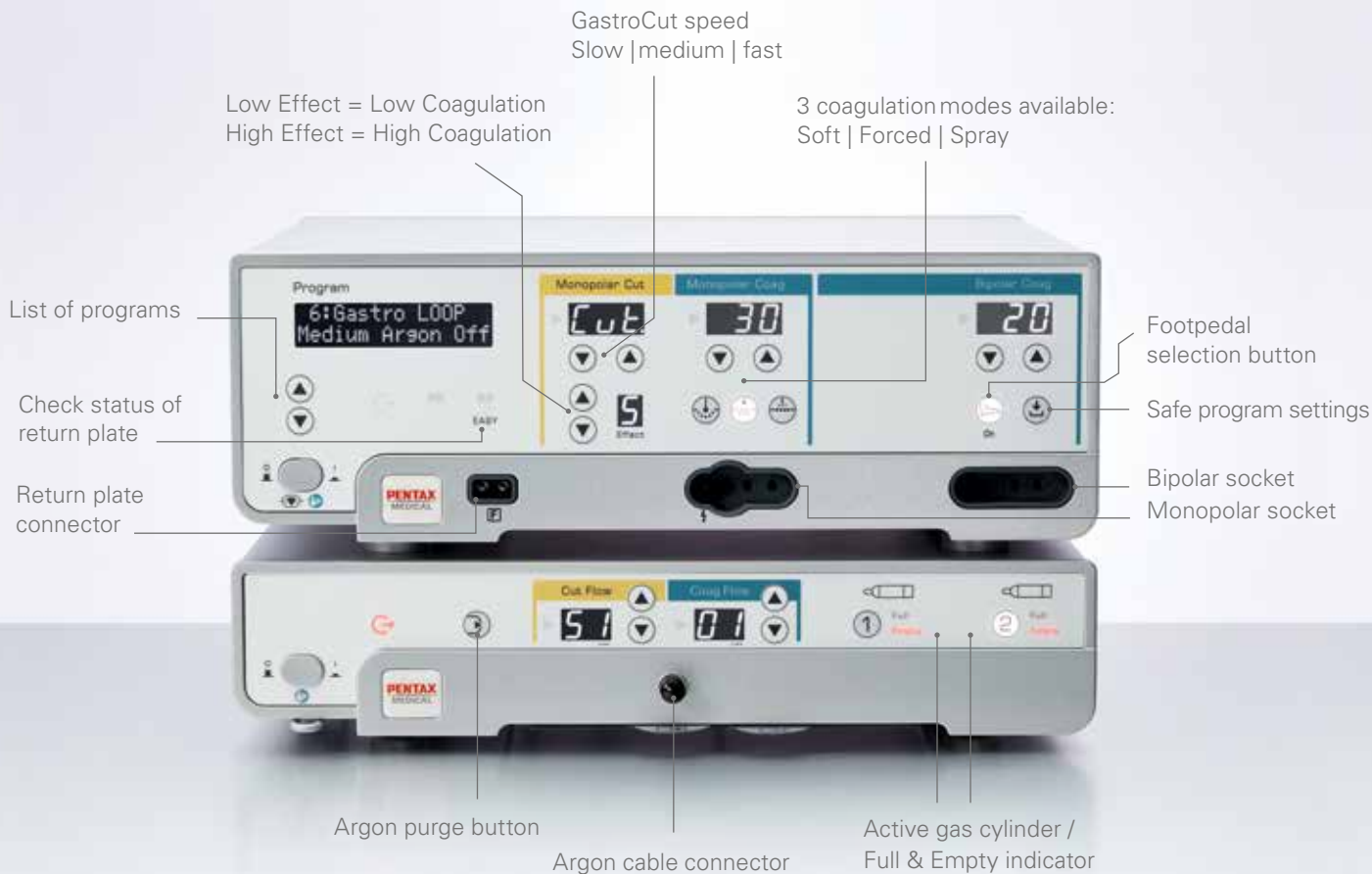
Standard configuration for ENDO Plus:

900-000	ENDO Plus unit for ENDO ARC
*	Pressure reducer, for ENDO Plus
932-146	Cable for flexible Argon probe COMFORT, 2.5m
830-050	ENDO Plus filter set, single-use, sterile (50 pcs.)**

Disposable Argon probes:

932-146	Cable for flexible Argon probe COMFORT, 2.5m
932-248	Flexible Argon probe, Ø 1,5mm, 1,5m, single-use, sterile (10 pcs.)
932-249	Flexible Argon probe, Ø 2.3mm, 2.2m, single-use, sterile (10 pcs.)
932-250	Flexible Argon probe, Ø 3,2mm, 2,2m, single-use, sterile (10 pcs.)
932-251	Flexible Argon probe, Ø 1,5mm, 3m, single-use, sterile (10 pcs.)
932-252	Flexible Argon probe, Ø 2.3mm, 3m, single-use, sterile (10 pcs.)
932-253	Flexible Argon probe, 90°, Ø 2.3mm, 2.2m, single-use, ster. (10 pcs.)

* Article code depends on country's destination
 ** Disposable



ENDO ARC

ENDO Plus

1

Safe and precise

The ARC CONTROL in the ENDO ARC adjusts the power output with tissue aberrations and changes to the surface or speed to the minimum requirement for each case. It delivers only as much power as is actually needed for the electrocautery effect.

The ENDO Plus is safe to use thanks to reliable ignition and offers excellent protection against perforation with low power settings (perforation ignition at < 5W).

2

Easy to use

The ENDO ARC is easy to program under a user's name with its own individual settings on a total of 100 storage locations. There are also a number of different programs with recommended basic unit settings to choose from.

The argon beam produced with ENDO Plus can be administered particularly well (less than 10mm distance) and can be used for contact-free haemostasis.

3

Designed for endoscopy

The ENDO ARC with its dedicated gastroenterology modes allow the user to variably adjust the hemostasis level of the cutting and coagulation power, making every cut optimized as the operator can simply regulate the coagulation effect.

The Argon FLEX/Argon FLEX 90° can be used in a variety of GI usages such as in superficial and smaller vascular bleeds, tumor reduction and bleeds, devitalization and coagulation, as well as in the right colon, stent ingrowth/overgrowth and radiation proctitis.

Technical data at a glance

	ENDO ARC	ENDO Plus
Mains voltage	220–240 V ± 10 %	100–240 V ± 10 %
Mains frequency	50/60 Hz	50/60 Hz
Mains power	4 A	0,7 A
Mains fuse	T 4 AH	T 1 A
Power consumption in standby mode	65 VA	7 W/25 VA
Power consumption at max.	330 VA	35 W/70VA
Width x Height x Depth	430 x 150 x 400 mm	430 x 94 x 400 mm
Weight	10kg	7.3kg
Classification under EC Directive 93/42/EEC	II b	II a
Protection class according to EN 60601-1	I	I
Type according to EN 60 601-1	CF	–
CE marking	CE0123	CE0123
Maximum CUT power	250W	–
Maximum COAG power	120W	–
Mains frequency	330 kHz/1 MHz	–

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