

atom

gastroenterology in mind



It is a **compact device** that offers functionality which so far was available only in large, complicated electro-surgical equipment.

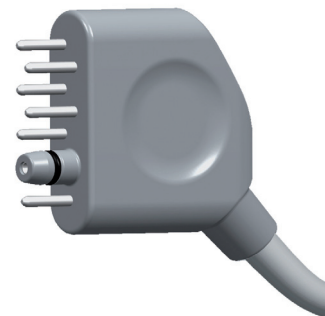
Atom makes it possible to perform **all endoscopic procedures** that require specialised cutting modes, monopolar and bipolar endoscopic coagulation.

An **integrated argon module** makes it possible to employ all the advantages of argon plasma in endoscopic procedures.



















The SDSA argon plug

with an integrated argon connection ensures that it is easy and convenient to connect and use the argon instruments.



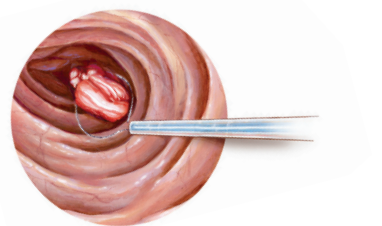

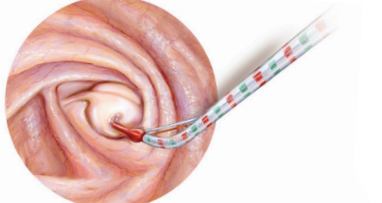

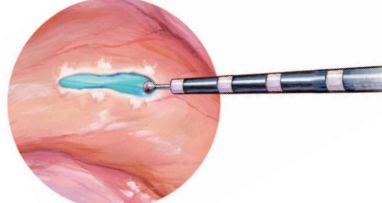

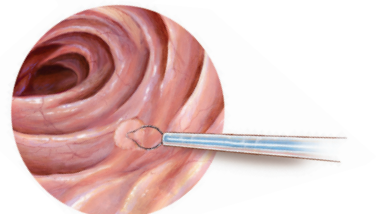

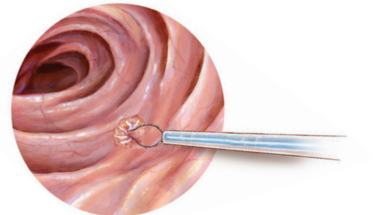

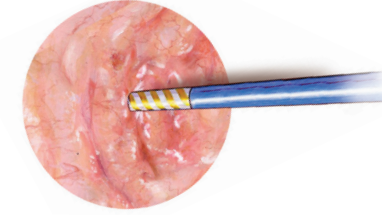

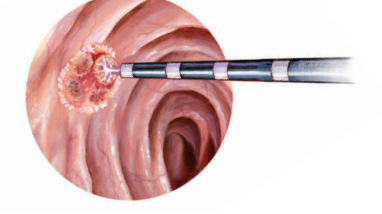

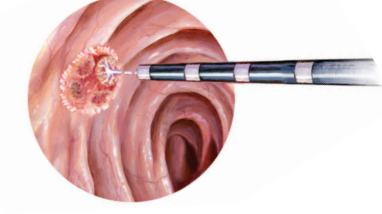

- advanced endoscopic cutting modes for polypectomy, sphincterectomy, mucosectomy
- special monopolar coagulation modes for endoscopic procedures
- argon plasma coagulation in standard and pulse mode
- automatic regulation of working parameters on the basis of real-time measurements
- instantaneous and average power monitor that enables the operator to control the device's working parameters
- colour touch screen and system for recognition of connected instruments, SDS
- control system for the neutral electrode - NEM, and the EMED SAFE electrode that guarantee safety of the procedure
- three-pedal footswitch to activate cutting, coagulation and argon plasma modes
- dedicated trolley with case for argon cylinder and handy basket for accessories and cables ensure comfort and ergonomic conditions in the surgery theatre.

MODES REVIEW

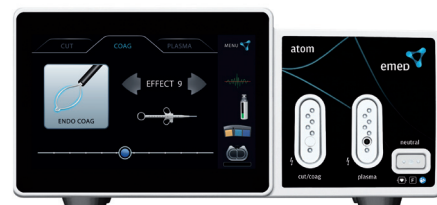
MODES	MODES DESCRIPTION	INSTRUMENT	APPLICATION	RECOMMENDED SETTINGS
 <p>POLIPO CUT</p>	<p>Alternating cutting and coagulation of tissues. Automatic power regulation for obtaining a continued and repeatable tissue effect.</p>		<p>Polyps resection.</p>	<p>Pedunculated polyps - EFFECT 3-4 Flat polyps 5-15mm - EFFECT 2 Flat polyps 15-25mm - EFFECT 3 Flat polyps 25-35mm - EFFECT 4 Flat polyps >35mm - EFFECT 5</p>
 <p>PAPILLO CUT</p>	<p>In this mode, the device alternately supplies power for coagulation and cutting. PAPILLO CUT limits the risk of uncontrolled cutting of Oddi's sphincter, which may cause intense bleeding. This is avoided by delivering the power for cutting and coagulation in short impulses.</p>		<p>Incision of Oddi's sphincter (sphincterotomy). Incision of the gallbladder.</p>	<p>EFFECT 1-2</p>
 <p>MUCO CUT</p>	<p>In this mode the cutting current is delivered in impulses. MUCO CUT ensures high-precision in terms of cutting depth and direction.</p>		<p>Endoscopic mucosal resection (EMR) Endoscopic submucosal dissection (ESD)</p>	<p>EFFECT 6-7</p>
 <p>ENDO COAG</p>	<p>Gentle monopolar contact coagulation mode. It enables contact coagulation and haemostasis of small haemorrhages using the endoscopic snare. It can be also used for marking pathological changes for later removal.</p>		<p>Haemostasis of surface haemorrhage. Marking lesions for resection. Removing small pedunculated polyps.</p>	<p>Haemostasis - EFFECT 5-6 Marking lesions - EFFECT 3-5 Pedunculated polyps resection - EFFECT 6-7</p>
 <p>ENDO SPRAY</p>	<p>Very efficient mode for gentle, monopolar spray coagulation. The current parameters were selected to ensure quick and safe haemostasis of surface haemorrhage in the gastrointestinal tract.</p>		<p>Haemostasis of surface haemorrhage. Marking lesions for resection.</p>	<p>Haemostasis in polypectomy - EFFECT 3-4 Haemostasis in mucosectomy - EFFECT 8-9 Marking lesions - EFFECT 6-7</p>
 <p>ENDO BI-COAG</p>	<p>It is a gentle, bipolar coagulation mode. It is designed for specialist bipolar endoscopic probes, also with the irrigation function.</p>		<p>Haemostasis of small haemorrhage along the entire gastrointestinal tract.</p>	<p>EFFECT 3</p>
 <p>PLASMA</p>	<p>A gentle argon coagulation mode designed for endoscopic procedures. The application of argon plasma enables highly effective coagulation at lower power settings.</p>		<p>Bleeding from angiodysplastic lesions. Bleeding post polypectomy. Residual tissue removal after polypectomy. Bleeding from cancerous lesions in the stomach and colon. Devitalisation of tumours.</p>	<p>Haemostasis - EFFECT 15-25, argon 1.5 l/ min. Devitalisation of tumors - EFFECT 35-40, argon 1.5 l/min.</p>
 <p>PULSE PLASMA</p>	<p>Designed for sites where there is a serious risk of perforation. Current is delivered in short impulses, which lowers the amount of energy delivered to the tissue.</p>		<p>Bleeding from angiodysplastic lesions. Bleeding post polypectomy. Residual tissue removal after polypectomy. Bleeding from cancerous lesions in the stomach and colon. Devitalisation of tumours.</p>	<p>Haemostasis - EFFECT 15-25, argon 1.5 l/ min. Devitalisation of tumors - EFFECT 35-40, argon 1.5 l/min.</p>

APPLICATION REVIEW

PLEASE NOTE: This information on recommended settings and different application sites and the use of instruments is all based on EMED's clinical experience, surgeons may prefer settings other than those recommended here. These settings are only intended as guidelines. Depending on individual circumstances, surgeons may need to use different settings from the ones listed above.

	APPLICATION	MODES	RECOMMENDED SETTINGS
<p>Polyps resection.</p>			<p>Pedunculated polyps - EFFECT 3-4 Flat polyps 5-15mm - EFFECT 2 Flat polyps 15-25mm - EFFECT 3 Flat polyps 25-35mm - EFFECT 4 Flat polyps >35mm - EFFECT 5</p>
<p>Incision of Oddi's sphincter (sphincterotomy). Incision of the gallbladder.</p>			<p>EFFECT 1-2</p>
<p>Endoscopic mucosal resection (EMR) Endoscopic submucosal dissection (ESD)</p>			<p>EFFECT 6-7</p>
<p>Haemostasis of surface haemorrhage. Marking lesions for resection. Removing small pedunculated polyps.</p>			<p>Haemostasis - EFFECT 5-6 Marking lesions - EFFECT 3-5 Pedunculated polyps resection - EFFECT 6-7</p>
<p>Haemostasis of surface haemorrhage. Marking lesions for resection.</p>			<p>Haemostasis in polypectomy - EFFECT 3-4 Haemostasis in mucosectomy - EFFECT 8-9 Marking lesions - EFFECT 6-7</p>
<p>Haemostasis of small haemorrhage along the entire gastrointestinal tract.</p>			<p>EFFECT 3</p>
<p>Bleeding from angiodysplastic lesions. Bleeding post polypectomy. Residual tissue removal after polypectomy. Bleeding from cancerous lesions in the stomach and colon. Devitalisation of tumours.</p>			<p>Haemostasis - EFFECT 15-25, argon 1.5 l/ min. Devitalisation of tumors - EFFECT 35-40, argon 1.5 l/min.</p>
<p>Bleeding from angiodysplastic lesions. Bleeding post polypectomy. Residual tissue removal after polypectomy. Bleeding from cancerous lesions in the stomach and colon. Devitalisation of tumours.</p>			<p>Haemostasis - EFFECT 15-25, argon 1.5 l/ min. Devitalisation of tumors - EFFECT 35-40, argon 1.5 l/min.</p>

atom accessories



100-620 Electrosurgical system atom



100-316



Endo three-pedal footswitch, 5 m cable, 6-pin connection



100-336



Endo three-pedal footswitch, wireless

080-060

TinyLine trolley for endo, case for 1 argon cylinder (5L/10L), basket

932-148



Ø 1.5 mm

100-051

Argon cylinder 5L (empty/no gas, DIN 477/6)

932-149

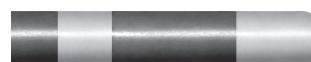


Ø 2.3 mm

100-151

Argon cylinder 10L (empty/no gas, DIN 477/6)

932-150



Ø 3.2 mm

5501640

Argon pressure regulator, P300-P40EMED, DIN 477/6 (Europe)

5501565

Argon pressure regulator, P300-P40EMED, DIN 477/6 (Europe) with pressure sensor

432-46A

Monopolar cable for argon flexible electrode, flat connector, L: 3.5m, SDSA plug

281-03S

Monopolar cable for endoscopic instruments, 3 m length, female connection 3mm, SDS plug

R1-100

Handle for endoscopic snares E17/x, E18/x, E19/x, E20/x



R2-50

Papillotomy handle



E17/25 Polypectomy snare, oval 40 mm

E17/23 Polypectomy snare, oval 30 mm

E17/22 Polypectomy snare, oval 25 mm

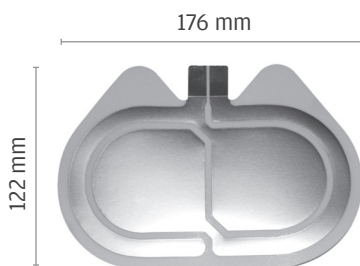
E18/25 Polypectomy snare, hexagonal 40 mm

E17/23 Polypectomy snare, hexagonal 30 mm

E17/22 Polypectomy snare, hexagonal 25 mm

E30-2 Papillotomy snare loop 25 mm

E30-3 Papillotomy snare loop 30 mm



812-80H

Disposable neutral electrode EMED SAFE, hydrogel, divided, for adults and children, 176 x 122 mm, 110 cm², 10 x 5 pcs per pack.

380-030

3 m

Cable for disposable

380-050

5 m

neutral electrode, flat plug

