



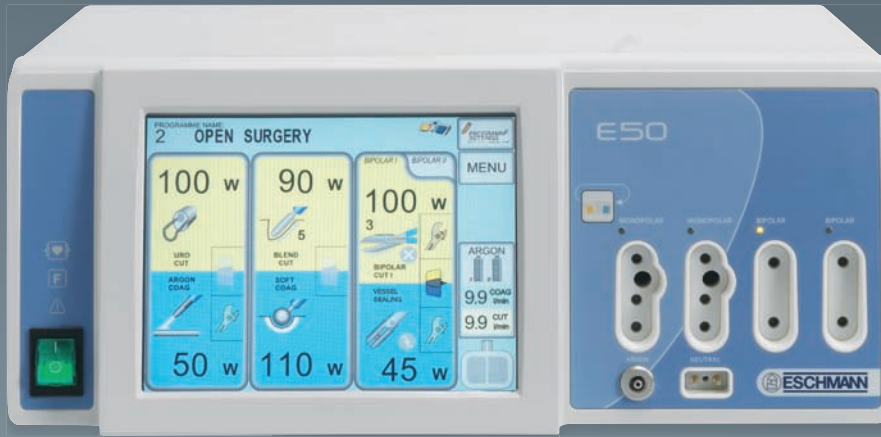
ESO

When performance,
precision and versatility
really matter





E50 Electrosurgery system



When performance, precision and versatility really matter

Trusted performance and quality have always been values associated with Eschmann products and the new E50 is no exception.

Ease of use is at the heart of our innovations; we strive to ensure our products are intuitive to use, allowing the clinician to concentrate on the job in hand. The touch-screen technology of the E50 electrosurgery system takes the ease of use to a whole new level, minimising training requirements and facilitating fast set-up.

The E50 features leading edge technology in the form of Vessel Sealing and Argon Coagulation. Bipolar Vessel Sealing allows the sealing of vessels and tissue bundles up to 7mm in diameter. Argon Beam is a monopolar technology using high frequency electrical current to deliver ionized argon gas to create a wide area of coagulation with a limited penetration depth of 3mm.

The E50 delivers exceptional versatility through its 24 research based cutting and coagulation modes, plus optional Vessel Sealing and Argon Beam modes never before available in such an intuitive package.



performance

Intuitive touch-screen display and a 104 multiple mode memory allows individual surgeons to pre-programme their own modes and power level settings.

precision

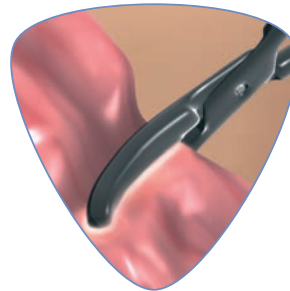
Controlled power output technology with Neutral Electrode Monitoring (NEM) system, ensuring plate contact integrity is maintained, allows even the most demanding procedures to be carried out.

modularity

Modular system upgrades allow users to meet future demands which may require the use of enhanced cutting and coagulation techniques by accessing integral argon beam and specialist vessel sealing modules.

Vessel Sealing Module

Thermal sealing using vessel sealing forceps allows quick and effective sealing of large vessels and tissue bundles up to 7mm in diameter. Vessel sealing eliminates the need for traditional staples and sutures, by creating a permanent seal which reduces both surgery and recovery times.



Examples of clinical applications:

- General surgery
- Gynaecology
- Urology

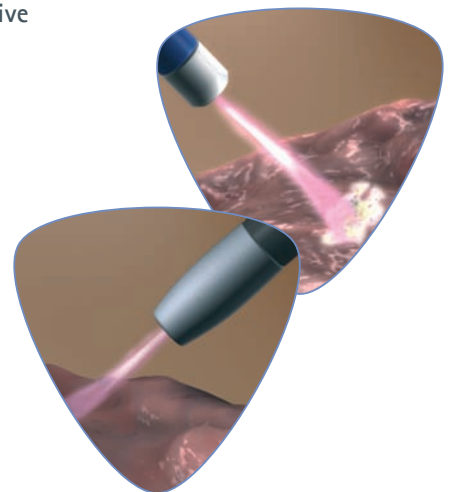
Argon Beam Module

Argon plasma coagulation and argon enhanced cutting ensures fast, effective devitalisation of tissues which causes less blood loss and tissue damage.

- Wide area of coagulation reduced procedure time
- No contact between the applicator and the tissue means no adhesion
- Minimal risk of perforation with penetration depth limited to 3mm
- Minimal carbonisation and no vaporisation
- Low level of smoke improves visibility in the operating area

Examples of clinical applications:

- General surgery
- Gastroenterology
- Bronchoscopy
- Otolaryngology
- Pulmonology



For further details visit www.eschmann.co.uk/e50



versatility

The E50 provides a platform for now and in the future. The technology built into the E50 means that the standard system features will meet all the current clinical needs.



ordering information

The E50 is available in three model variants. The base model can be easily upgraded to vessel sealing and argon beam at any stage.

- 83-650-45 E50 electrocautery system*
- 83-650-56 E50 with argon beam and trolley*
- 83-650-67 E50 with vessel sealing*
- 83-650-78 E50 with argon beam, trolley and vessel sealing*

*Units include a footswitch of choice (twin or triple) and plate cable.

Modular System Upgrades

- 83-652-67 Vessel sealing module
- 83-652-56 Argon beam module with trolley
- 83-652-78 Argon beam module with trolley and vessel sealing



E Series

Eschmann E Series Electrosurgery Range

The E Series range of electrosurgery units from Eschmann has been developed to meet the exacting demands of all surgical specialists, for today and in the future.

E10 Electrosurgery Unit

The E10 electrosurgical unit offers optimal performance, accuracy and precision through its 5 research based cutting and coagulation modes. The E10 electrosurgical unit is ideal for general practice, treatment rooms and hospital outpatients.

The bipolar generator offers a coagulation mode. The monopolar generator offers 2 cutting modes – pure and blend. 2 monopolar coagulation modes are available – soft and forced coagulation.



E20 Electrosurgery Unit

The E20 electrosurgical unit offers optimal performance, accuracy and precision through its 5 research based cutting and coagulation modes.

The bipolar generator offers a coagulation mode, with autostart/ autostop features if required. The monopolar generator offers 2 cutting modes – pure and blend. 2 monopolar coagulation modes are available – soft and forced coagulation.



E30 Electrosurgery Unit

The E30 electrosurgical unit offers optimal performance, accuracy and precision through its 12 research based cutting and coagulation modes.

The bipolar generator offers both cut and coagulation modes, with autostart/autostop features if required. The monopolar generator offers 6 cutting modes including specialist cut. 4 monopolar coagulation modes are available including contact and non-contact modes.

The combination of modes and power available makes this a universal electrosurgical unit suitable for all surgical disciplines.



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ES0

technical specifications

SAFETY FEATURES

Protection against electric shock:

Class	I
Grade	CF
Low-frequency leakage currents	according to IEC 601-1-1
High-frequency leakage currents	according to IEC 601-2-2
Generator operation frequency	357 kHz
Defibrillation impulse resistance	according to EN 60601-1
NEM System	neutral electrode monitor
AUTOTEST	self-test of generator after switching the power on, service codes display
OVERLOAD	generator overload protection

MONOPOLAR CUTTING

Pure cutting	350W
Precise Cut	80W
Blend	180W/150W
Cutting with drying	150W
Specialist cut	350W
Argon cutting	350W
Papillotomy/Polypectomy	350W

MONOPOLAR COAGULATION

Soft coagulation	200W
Forced coagulation	200W/80W
Spray coagulation	80W
Universal coagulation	150W
Argon coagulation	80W
Argon pulse coagulation	80W

BIPOLAR CUTTING

Bipolar cutting (4 different levels of haemostasis)	100W
Bipolar specialist cut	350W

BIPOLAR COAGULATION

Bipolar coagulation	120W
AutoStart / AutoStop	automatic start and stop of bipolar coag.

ARGON

Gas type	pure argon 5.0 (99.999%)
Inlet gas pressure	0.25-0.4MPa
Gas outflow	0.1-9.9 l/min, regulated 0.1 l/min in whole range
Pressure gauge	reducer (0.4MPa) on argon cylinder

VESSEL SEALING

Vessel sealing system	250W
AutoStop	automatic stop of sealing process after achieving the optimal effect
Effect regulation	8 levels of intensity regulation

OTHER FEATURES

PowerStart system:	Boosts the beginning of cutting process
Power regulation system:	Automatic power regulation depends on needs
PP endoscopic programme:	Includes endo detect
Programme memory:	104 different memory locations
MultiSwitch:	Remote programme selection by footswitch
Outputs:	2 monopolar, 2 bipolar

WEIGHT AND DIMENSIONS

Length	420mm
Width	380mm
Height	160mm
Weight	14kg

POWER SUPPLY

Supply voltage	230V 50Hz
Rated power input	500W

All E Series units are CE marked in compliance with the Medical Device Directive 93/42/EEC



All products are latex free.

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