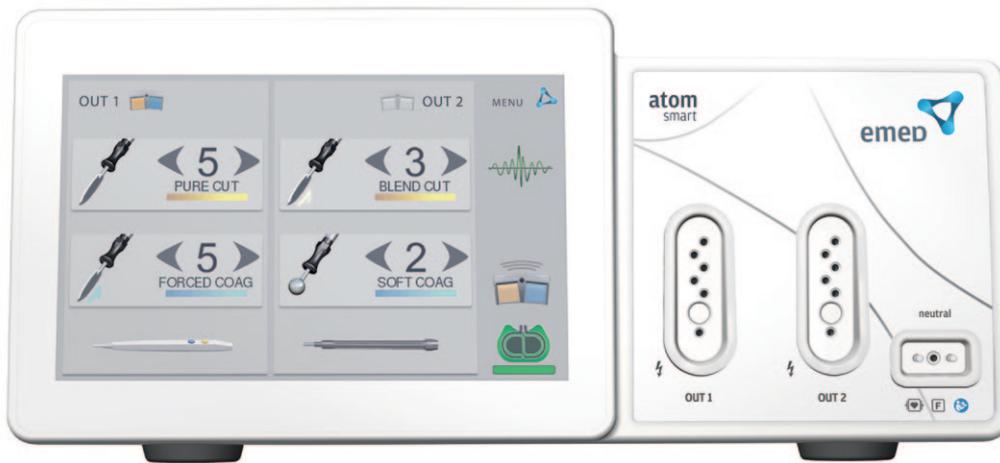


atom smart

pure performance



atom smart is an electrosurgical device which uses high-frequency current flow for cutting and coagulating tissue. The unit allows to perform procedures in monopolar and bipolar modes.

Areas of applications:

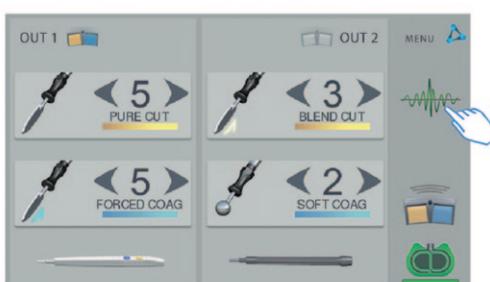
- minor procedures in general and pediatric surgery
- dermatology
- gynecology
- cosmetic surgery
- dental surgery

The device features fully automatic adjustment of power output based on real-time monitoring of working parameters. Desired effect on tissue is repeatedly consistent in every working conditions.

atom smart electrosurgical system is controlled with a touch screen which is designed to provide the user with easy access to all functions. The settings or modes of operation are changed by touching icons on the screen. To ensure maximum ease of operation there are no extra buttons or knobs.

atom smart is equipped with two universal **SDS outputs**, which identifies the connected instrument, automatically adjusts the appropriate operating modes and output parameters to the connected instrument.

Small size and aesthetic design of **atom smart** along with its reliability and easy to use features ensure the highest comfort of work.



Output power monitor

atom smart is fitted out with an **advanced measuring system** which automatically adjusts in real-time the output power to the changing conditions within the operating field based on measurements of the output parameters.

atom smart

pure performance

selected mode

settings change

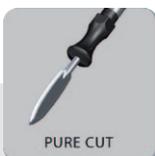
2 working panels:
OUT1, OUT2



connected instrument

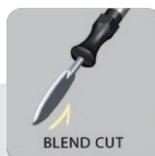
sidebar:

MENU, POWER MONITOR, FOOTSWITCH, NEM indicator



PURE CUT

Cutting with a minimum hemostasis margin, which damages the tissue to the least extent. It is used where there is no need for additional bleeding control.



BLEND CUT

Cutting involving an enhanced margin of coagulation of the tissue being cut. It controls bleeding more strongly and has a greater thermal impact on the tissue.



SOFT COAG

Soft contact coagulation allows for deep coagulation without carbonization of tissue. As a rule, it is performed using a ball electrode.

OUT1 and OUT2 sockets
- detecting monopolar and bipolar instruments



FORCED COAG

The traditional type of coagulation designed to quickly coagulate the bleeding tissue. It causes a surface carbonization.



SOFT BI-COAG

In this mode, the current flows between the electrode tips and no passive electrode is required. Typically used for closing individual medium-sized blood vessels.



SmartDevice System

The SmartDevice System detects and identifies the connected instrument. It automatically adjusts the operating mode and output settings to the instrument, thus improving the operator's working comfort.

atom smart system remembers the settings selected for each instrument, and when it is connected again, it recalls the stored parameters.



NEM system

Neutral Electrode Monitor system

continuously verifies if the neutral electrode keeps accurate contact with patient's body during the procedure. In case the contact has been detected to be not sufficient and therefore not safe, the unit stops operation and warns the user. Two different sizes of disposable split neutral electrode can be selected by the operator: for adults or for infants.

atom smart accessories



520-500 Knife electrode straight, 25 x 3.5mm,
handle 4mm



521-420 Ball electrode straight, 4mm, handle 4mm



521-220 Wire loop electrode, 10mm, handle 4mm

524-020 Ball electrode straight, 4mm, L: 100mm, handle 4mm



525-000 Loop electrode, 20 x 15mm, L: 120mm,
handle 4mm



526-400 Triangle loop electrode, 10 x 25mm, L: 115mm, handle
4mm



322-14S Electrode handle 4mm, large, 2 switches,
cable 4m, SDS plug



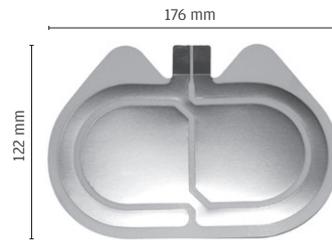
605-014 Bipolar forceps, angled, 1mm, L: 160 mm non-stick



351-13S Bipolar cable, L: 3m, angled connector,
SDS plug



380-030 Disposable neutral electrode cable,
380-050 L: 3m or 5m, flat plug



812-80H Disposable neutral electrode EMED SAFE,
hydrogel, split, for adults and children
176x122mm, 110 cm², 10x5pcs.



100-302 2-button footswitch,
cable 5m, 6-pin plug

Full range of products are available in our catalogue of accessories.
See www.emed.pl for details.