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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. Precise adjustment of the limitation of output settings allows the parameters to be adapted to current needs and the type of procedure being performed.

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.

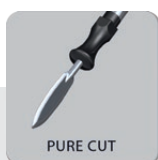
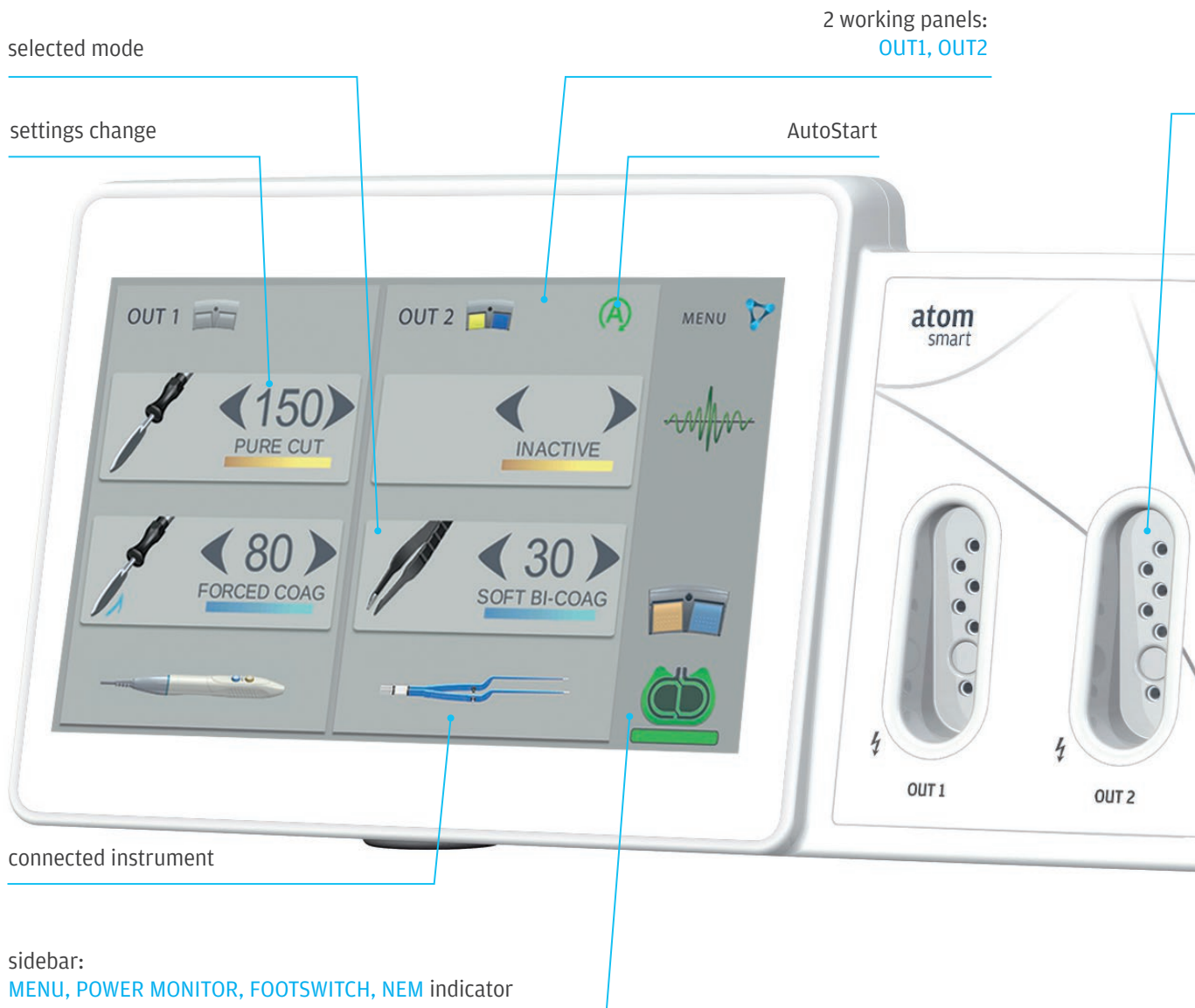


AutoStart in bipolar coagulation

SOFT BI COAG mode is equipped with automatic current activation feature (**AutoStart**) as soon as the tissue is grasped with the tips of the bipolar forceps. The coagulation stops as soon as the forceps' tips are open or after 30sec.

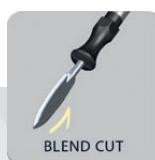
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PURE CUT

Cutting with a minimum margin of haemostasis, which is least harmful to the issue. It is applied in cases where there is no need for additional suppression of bleeding.



BLEND CUT

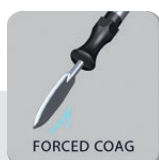
Cutting with an enhanced margin of coagulation of the cut tissue. It strongly suppresses bleeding and has a stronger thermal impact on the tissue.



SOFT COAG

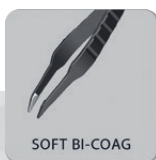
Soft contact coagulation. It ensures deep coagulation without tissue carbonisation. As a rule, it is performed with a ball electrode.

OUT1 and OUT2 sockets
- detecting monopolar and bipolar instruments



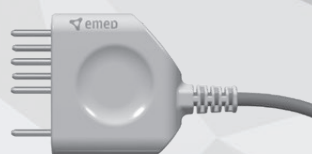
FORCED COAG

A traditional type of coagulation intended for quick haemostasis of the bleeding tissue. It causes superficial carbonisation.



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



100-630 Electrosurgical unit ATOM smart

Electrode



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

Bipolar cable



351-135 Bipolar cable, L: 3m, angled
connector, SDS plug

Bipolar forceps



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

Electrode handle



322-145 Electrode handle 4mm, large,
2 switches, cable 4m, SDS plug

Disposable neutral electrode EMED SAFE



812-80H hydrogel, split,
for adults and children,
176x122mm, 110cm²

Disposable neutral electrode cable



380-030 L: 3m, flat plug

Two pedal footswitch



100-302 cable 5m, 6-pin plug

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