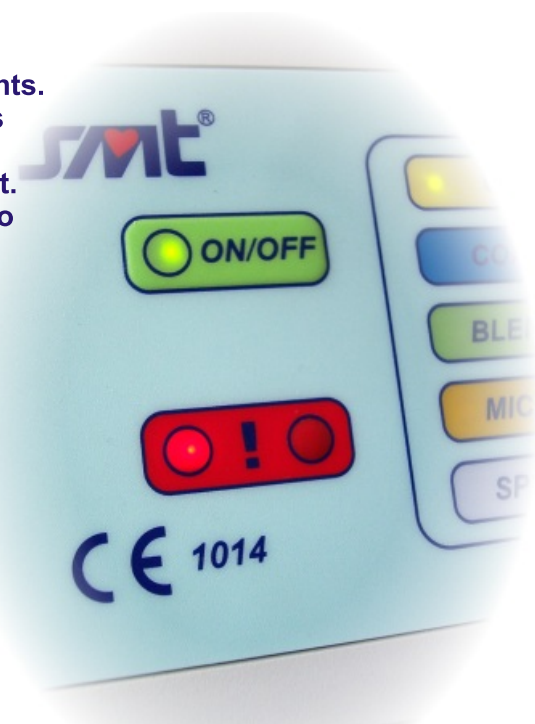


SMT BM M is a digital line of Radiofrequency-Highfrequency Czech Electrosurgery systems with maximal technical characteristics and with minimal dimensions and weight which fulfil all clinical requirements. HF/RF Generator (Electrosurgery Unit) Electrocoagulator SMT BM M is directed by a built-in microcomputer which controls the whole system and check it 100 times per second. This ensures security of the patient. It is suitable for all types of surgical operations, from the medium up to the highest ones. It can use MONOPOLAR and/or BIPOLAR mode and 5 selectable working outputs for both modes. The outputs are independently controllable. The preset power is On even if the unit is switched Off. The basic functions of monopolar (CUT, COAG) are controllable by hand switch on the ESU Pencil. The others mono functions plus all bipo functions are directed by safety pneumatic foot switch. Nevertheless the CUT and COAG can be directed by foot switch too. Power of the unit is indicated at the digital large area display and is automatically kept on the preselected rate, apart from the changing resistance of the patient. The care for the unit is simple and easy. Both possibilities of activation (hand and/or foot switch) are indicated acoustically. All accessory is sterilizable. Manufacturer recommends autoclave, temperature 120-126°C. Instrumentarium (6 operating tools in the basic equipment) has a fixative diameter 2,4 mm.



Indication of the on/off switch on the unit (above) and of the badly connected or damaged patient neutral electrode (below)

BM M Rear Panel



From the left:

- Patient neutral electrode
- Bipolar output (not installed here)
- Monopolar Applicator
- Double Footswitch
- Single Footswitch
- Mains

BM M Trolley



Multifunctional trolley for Electrosurgical device, instruments, accessory and other equipment for Electrosurgery.

smt® **electrosurgery**

SMT BM M



ISO 13485:2003
CE 1014

**The most powerful
digital HF/RF Electrosurgery System**
- controlled by Microprocessor -

ELECTROCOAGULATORS

SMT BM

Mini	150W
Minor	200W
Media	250W
Megan	300W
Major	350W
Maxim	400W

The newest SMT HF/RF Generators are the most modern electrosurgical systems of their kind. With their Hardware and Software in a built-in microprocessor they now offer a wider possibility of regular clinical use in all medical branches where the ELECTROSURGERY has already been established. The powers of blend, coagulation and all bipolar modes reach 260 - 380 Watts now! The SMT BM M are not limited for a short working period as the other ESU systems.

Manufacturer:
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Distribution and Service:

Special Medical Technology

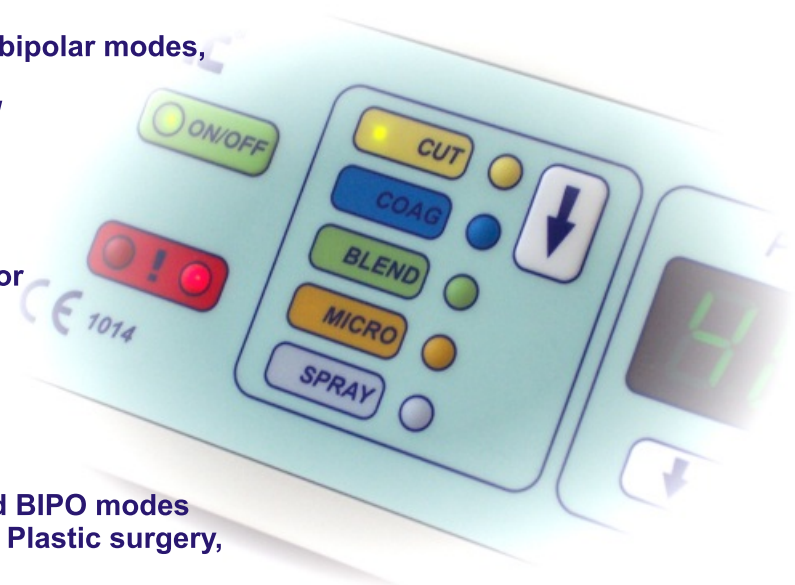
Basic Equipment of SMT BM M Systems



- 1 - Electronic control unit with a digital display
- 2 - ESU Pencil (applicator)
- 3 - Patient neutral electrode (silicone and/or 10 disposable ones) + cable
- 4 - Six operating tools
- 5a - Single foot switch (pneumatic)
- 5b - Double foot switch (pneumatic) - only with the types "S" and "SPS"
- 6 - Flex
- 7 - ESU pencil (applicator) holder

New features of digital SMT BM M Systems

- small but the most efficient ESU
- unrivalled power of blend, coagulation and all bipolar modes, for inst.:
 - power of MONO CUT up to 400 W
 - power of MONO BLEND up to 380 W
 - power of MONO COAG up to 300 W
 - power of BIPO CUT up to 340 W
 - power of BIPO COAG up to 260 W
- versatility - suitable for all medical branches
- high safety - thanks to a built-in microprocessor
- special software (types SP and SPS)
- unbelievable small unit
- very low weight
- 24 BM M types available
- simple shape and easy hygiene
- professional use in Endoscopy
- very precise MICRO output for both MONO and BIPO modes
- unique possibility of MIS in TUR-Urology, ENT, Plastic surgery, Neurosurgery etc.
- automatic control of all sections and data evaluation 100 times per second
- reliable and continuous verification of neutral electrode
- double neutral electrode with CQM (contact quality monitoring) available
- reliable and cost-effective Ligasure - BiClamp - MarClamp - HSVSS (Highly Safe Vessel Sealing System) without any additional control unit



Monopolar ESU Pencil (Applicator) + scalpel

Technical characteristics

The rate and versatility of the software of the SMT BM M systems allow to use these operating ways: Electrosection, Electrocoagulation, Desiccation, Fulguration, Blend, Microcoagulation - mono/bipo

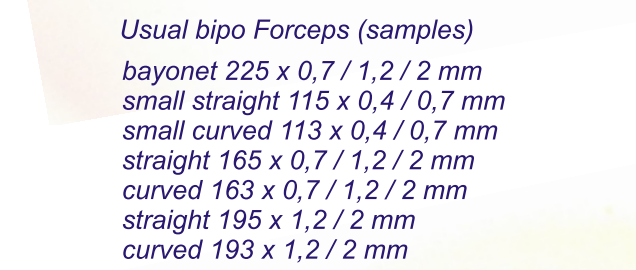
SMT BM M	Mini				Minor				Media				Megan				Major				Maxim			
Version	basic	S	SP	SPS	basic	S	SP	SPS	basic	S	SP	SPS	basic	S	SP	SPS	basic	S	SP	SPS	basic	S	SP	SPS
Power max	150 W				200 W				250 W				300 W				350 W				400 W			
Input	230 V / 50 Hz 110 V / 60 Hz				230 V / 50 Hz 110 V / 60 Hz				230 V / 50 Hz 110 V / 60 Hz				230 V / 50 Hz 110 V / 60 Hz				230 V / 50 Hz 110 V / 60 Hz				230 V / 50 Hz 110 V / 60 Hz			
Working frequency	460 kHz				460 kHz				460 kHz				460 kHz				460 kHz				460 kHz			
Dimensions	310x290x80mm				310x290x80mm				310x290x80mm				310x290x80mm				310x290x80mm				310x290x80mm			
Weight	5,70 kg				5,70 kg				5,70 kg				5,70 kg				5,70 kg				5,70 kg			
Single foot switch	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Double foot switch	○	•	○	•	○	•	○	•	○	•	○	•	○	•	○	•	○	•	○	•	○	•	○	•
Hand switch	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Modes	mono / bipo				mono / bipo				mono / bipo				mono / bipo				mono / bipo				mono / bipo			
Function Special	○	○	•	•	○	○	•	•	○	○	•	•	○	○	•	•	○	○	•	•	○	○	•	•
Basic access. MONO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Basic access. BIPO	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	•	•	○	○	•	•
Working outputs	CUT COAG BLEND MICRO SPRAY				CUT COAG BLEND MICRO SPRAY				CUT COAG BLEND MICRO SPRAY				CUT COAG BLEND MICRO SPRAY				CUT COAG BLEND MICRO SPRAY				CUT COAG BLEND MICRO SPRAY			
Operating tools mono	6 pieces				6 pieces				6 pieces				6 pieces				6 pieces				6 pieces			
Patient-neutral electrode	silicone				silicone				silicone				silicone				silicone				silicone			

Optional Bipolar Accessory

Monopolar tools



Special 5 mm bipo Pean for Open Surgery
Ligasure/BiClamp/MarClamp/HSVSS



Usual bipo Forceps (samples)
bayonet 225 x 0,7 / 1,2 / 2 mm
small straight 115 x 0,4 / 0,7 mm
small curved 113 x 0,4 / 0,7 mm
straight 165 x 0,7 / 1,2 / 2 mm
curved 163 x 0,7 / 1,2 / 2 mm
straight 195 x 1,2 / 2 mm
curved 193 x 1,2 / 2 mm



NonStick bipo Forceps (sample)



Monopolar instruments (samples)

Further detailed information about bipolar forceps and monopolar tools you will kindly find in our special SMT Catalogue - see web pages www.smt-praha.com.