



Product Datasheet **Mobetron**

IntraOp® Mobetron® is the only portable, self-shielded electron linear accelerator designed to deliver Intraoperative Radiation Therapy (IORT) to cancer patients during surgery.

Benefits

- ▶ Broader Application
- ▶ Portability
- ▶ Greater Precision
- ▶ Shorter Treatment Time
- ▶ Fewer Side Effects
- ▶ Self-shielded
- ▶ Cost-effective
- ▶ Made in America

Established Indications

- ▶ Breast
- ▶ Pancreatic
- ▶ Colorectal
- ▶ Sarcomas
- ▶ Head and Neck
- ▶ Gynecological

Emerging Indications

- ▶ Bladder
- ▶ Esophageal
- ▶ Gastric
- ▶ Prostate
- ▶ Hepatobiliary
- ▶ Others

Commercialized by IntraOp in 1997, the Mobetron has transformed cancer treatment by making it possible to utilize LINAC-based radiation in a standard OR without the need for costly shielding renovations. This results in significantly greater treatment flexibility with shorter treatment times and recovery cycles for patients.

Your Best Move is Mobetron.

The advantages of electron IORT extend from the hospital to its physicians and patients. The Mobetron is the bottom-line solution designed to maximize return on investment, reduce risk, and provide a regional competitive advantage by offering a safer, more efficient alternative for patients seeking treatment for specific cancer indications. It enables hospitals and their physicians to be more effective in delivering to patients optimal cancer care.



Mobetron

BEAM ENERGIES	6 MeV	9 MeV	12 MeV		
80% DEPTH DOSE	2 cm	3 cm	4 cm		
DOSE RATE	10 Gy/Min (3 Gy/Min Optional)				
MOTION					
ROTATION	TILT	LATERAL	LONGITUDINAL	VERTICAL	REACH
±45°	+30°/-10°	±5 cm	±5 cm	+/- 15 cm	75 cm
SOURCE TO SURFACE DISTANCE	50 cm at the center of the field				
STRAY RADIATION	Less than 0.3µSv/Gy at 3 meters				

System Size

TREATMENT UNIT		CONSOLE	
WEIGHT	2978 lbs (1351 kg)	WEIGHT	145 lbs (66 kg)
WIDTH	43 in (109 cm)	WIDTH	28 in (71 cm)
LENGTH	88 in (224 cm)	LENGTH	26 in (66 cm)
TREATMENT HEIGHT	99-111 in (252 - 282 cm)	HEIGHT	48 in (122 cm)
TRANSPORT HEIGHT	78 in (198 cm)		

Dosimetry

RESOLUTION	1 cGy
REPRODUCIBILITY	1%
LINEARITY	1%

Safety

POWER TERMINATION	Beam stopped by set dose and all faults
EMERGENCY OFF	Pushbuttons easily reached from both the treatment unit and console
BEAM ALIGNMENT MOTOR DRIVES	Two button actuation
BEAM ALIGNMENT	Non contact, interlocked soft docking

Regulatory Compliance

PRODUCT CERTIFICATION	FDA; IEC; CE; SFDA; KFDA; CFDA
QUALITY ASSURANCE	AAPM TG72 compliant

Accessories

APPLICATOR SIZES (ROUND)	3-10 cm diameter in 0.5 cm increments
APPLICATOR BEVEL ANGLES (ROUND)	0°, 15°, 30°, 45°
APPLICATOR SIZES (RECTANGLE)	7 cm x 12 cm, 8 cm x 15 cm, 8 cm x 20 cm
APPLICATOR BOLUS	Acrylic (5 mm and 10 mm thick)
RADIOPROTECTION DISK	
QUALITY ASSURANCE SYSTEM	

Power Needs

POWER CONSUMED WITH BEAM ON	<2 kVA
VOLTAGE	200-240 VAC 50-60 Hz
CURRENT RATING	10A

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