



Product Datasheet **Mobetron**

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

Emerging Indications

- ▶ Bladder
- ▶ Esophageal
- ▶ Gastric
- ▶ Prostate
- ▶ Head and Neck
- ▶ Gynecological

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% PDD DEPTHS	20 mm	30 mm	40 mm		
DOSE RATE	10 Gy/Min (3 Gy/Min Optional)				
MOTION					
ROTATION	TILT	LATERAL	LONGITUDINAL	VERTICAL	REACH
±45°	+10°/-30°	±5 cm	±5 cm	30 cm	76 cm
SOURCE TO SURFACE DISTANCE	50 cm at the center of the field				
STRAY RADIATION	Less than 3µSv at 3 meters				

 **System Size**

TREATMENT UNIT		CONSOLE	
WEIGHT	3076 lbs (1395 kg)	WEIGHT	145 lbs (66 kg)
WIDTH	42.7 in (108.5 cm)	WIDTH	28 in (71 cm)
LENGTH	88 in (222 cm)	LENGTH	26 in (66 cm)
TREATMENT HEIGHT	99-111 in (251 - 282 cm)	HEIGHT	48 in (122 cm)
TRANSPORT HEIGHT	79 in (201 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, one motion at a time
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)
CHEST WALL PROTECTOR	
QUALITY ASSURANCE SYSTEM	

 **Power Needs**

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

Corporate Office
 570 Del Rey Avenue
 Sunnyvale, California 94085
 408.636.1020