



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
- ▶ Gynecological
- ▶ Head and Neck
- ▶ Sarcomas

Emerging Indications

- ▶ Bladder
- ▶ Esophageal
- ▶ Gastric
- ▶ Lung
- ▶ Prostate
- ▶ Spinal Metastases
- ▶ Pediatric
- ▶ Neuroblastoma

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
	±45°	±10°/-30°	±5 cm	±5 cm	±30 cm
SOURCE TO SURFACE DISTANCE		50 cm at the center of the field			
STRAY RADIATION		Less than 6μSv 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	106 in (269 cm)	LENGTH	26 in (66 cm)
TREATMENT HEIGHT	97-109 in (248 - 276 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, one motion at a time

BEAM ALIGNMENT
Non contact, interlocked soft docking

⚙ Regulatory Compliance

PRODUCT CERTIFICATION
FDA; IEC; JIS; SFDA; MDD

QUALITY ASSURANCE
AAPM TG72 compliant

🧰 Accessories

APPLICATOR SIZES (ROUND)
3-10 cm diameter in 0.5 cm increments

APPLICATOR TIP ANGLES
0°, 15°, 30°

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 APPLIED
208/240 VAC 50/60 hz

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