



## 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

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

## System Size

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

## Dosimetry

<b>RESOLUTION</b>	1 cGy
<b>REPRODUCIBILITY</b>	1%
<b>LINEARITY</b>	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; KFSA; 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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