IntraOp® Mobetron®

# 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 safe, efficient alternative for patients seeking treatment for specific cancer indications. It enables hospitals and their physicians to be more effective in delivering optimal cancer care to patients.

## 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** |
| ±60° | +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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