Mobetron® is the only portable, self-shielded electron linear accelerator designed to deliver Intraoperative Radiation Therapy (IORT) to cancer patients during surgery. Commercialized by IntraOp in 1997, the Mobetron has transformed cancer treatment by making it possible to utilize LINAC-based radiation in a standard OR \textit{without the need for costly shielding renovations}. This results in significantly greater treatment flexibility with shorter treatment times and recovery cycles for patients.

\textit{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.

\textbf{Established Indications}

- Breast
- Pancreatic
- Colorectal
- Sarcomas

\textbf{Emerging Indications}

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

\textbf{Benefits}

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

**Beam Energies**

<table>
<thead>
<tr>
<th>Energy</th>
<th>6 Mev</th>
<th>9 Mev</th>
<th>12 Mev</th>
</tr>
</thead>
<tbody>
<tr>
<td>80% PDD Depths</td>
<td>20 mm</td>
<td>30 mm</td>
<td>40 mm</td>
</tr>
</tbody>
</table>

**Dose Rate**

10 Gy/Min (3 Gy/Min Optional)

**Motion**

<table>
<thead>
<tr>
<th>Rotation</th>
<th>Tilt</th>
<th>Lateral</th>
<th>Longitudinal</th>
<th>Vertical</th>
<th>Reach</th>
</tr>
</thead>
<tbody>
<tr>
<td>±45°</td>
<td>±10° - 30°</td>
<td>±5 cm</td>
<td>±5 cm</td>
<td>30 cm</td>
<td>76 cm</td>
</tr>
</tbody>
</table>

**Source to Surface Distance**

50 cm at the center of the field

**Stray Radiation**

Less than 3 µSv at 3 meters

**System Size**

<table>
<thead>
<tr>
<th>Treatment Unit</th>
<th>Console</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>3076 lbs (1395 kg)</td>
</tr>
<tr>
<td>Width</td>
<td>42.7 in (108.5 cm)</td>
</tr>
<tr>
<td>Length</td>
<td>88 in (222 cm)</td>
</tr>
<tr>
<td>Treatment Height</td>
<td>99-111 in (251 - 282 cm)</td>
</tr>
<tr>
<td>Transport Height</td>
<td>79 in (201 cm)</td>
</tr>
</tbody>
</table>

**Dosimetry**

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>1 cGy</td>
</tr>
<tr>
<td>Reproducibility</td>
<td>1%</td>
</tr>
<tr>
<td>Linearity</td>
<td>1%</td>
</tr>
</tbody>
</table>

**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