Miran CO2 Surgical Laser

The Miran CO2 laser emits continuous or pulsed infrared radiation which is highly absorbed in water. Since any soft tissue is composed mainly of water, tissue at the focal point of the laser beam is instantaneously vaporized, leaving behind a thin necrotic layer of tissue which assures hemostasis.

The CO2 is the most efficient laser in ablation (vaporization) of soft tissue areas and allows non-contact surgery with contrast to other surgical modalities.

Mediclase is devoted to improve patient care, safety and clinical efficiency by assisting medical professionals in their efforts to stay abreast of changes in technology and medical practice.

Why Miran CO2 Laser?

> Enhanced surgical techniques
> Improved patient care
> Efficient clinical results
> Super pulse & other pulsing techniques
> Easy maneuverability, no power loss
> No per-case cost
> Two year warranty
> Application training on site
> Workshops participation

Miran CO2 Surgical Laser

Advanced Surgical Solutions in Medical Applications
**Benefits:**

- Decreased Per and Post-Operative Pain
- Reduced Post-Op Swelling and Scarring
- Reduced length of surgery time
- Accurate Incisions, Excisions and Vaporization
- Clear and Dry Operative Field
- Highly Sterile Surgery
- Unwanted Charring and Thermal Necrosis
- Reduced Blood Loss
- Reduced Need for Anesthesia and Sutures

**Soft Tissue Surgical Applications:**

- Blepharoplasty
- Skin Resurfacing
- Xanthelasma
- Tonsillectomy
- Uvulapalatoplasty
- Condylomas
- Oral Lesions Polyps
- Fibroma Removal
- Ingrown nail
- Warts & moles
- Bedsores

**Technical Data:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Miran 25W</th>
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<tbody>
<tr>
<td>Wavelength</td>
<td>10.6 microns</td>
</tr>
<tr>
<td>Power to tissue</td>
<td>0.5-25W</td>
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<tr>
<td>Super pulse peak power</td>
<td>500W</td>
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<tr>
<td>Super pulse frequency</td>
<td>1 - 500 Hz</td>
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<tr>
<td>Timed exposure</td>
<td>(On time) 10ms - 1000ms</td>
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<tr>
<td>User Interface</td>
<td>Soft-touch panel, LCD Color screen</td>
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<tr>
<td>Beam Delivery</td>
<td>7-joint spring-balanced articulated arm</td>
</tr>
<tr>
<td>Aiming beam</td>
<td>3mW (650nm diode) adjustable</td>
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<tr>
<td>Accessories</td>
<td>Upon application request</td>
</tr>
<tr>
<td>Power input</td>
<td>110VAC/60Hz or 220VAC/50Hz</td>
</tr>
<tr>
<td>Dimensions</td>
<td>34x46x126 cm</td>
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<tr>
<td>Weight</td>
<td>35Kg</td>
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