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Rajkot  
Surat

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**LAS-O-FLEX – DM**

Applications of Fractional CO2 Laser in Dermatology

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**Sales and Services**  
**Head Office**  
**Installation Base**  
**Regional Office**

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**www.SLTL.com**
**LAS-O-FLEX – DM**

Las-o-Flex is a laser system that helps to fade away the appearance of imperfections and face wrinkles present on the surface of the skin. During the treatment process, a laser is used to break down damaged skin cells in the top layers of the skin and simultaneously promote the production of collagen and fresh skin cells in the layers below. The new layer of skin that appears is tighter, healthier and smoother in appearance.

**Las-o-Flex helps in the improvement of acne scars, wrinkles, fine lines, sun damaged skin, age spots, birthmarks, blotchy patches on the skin, etc. It removes skin growths such as moles, warts, and certain kinds of early stages of skin cancer and those mild to moderate facial scars that were deserted by previous surgeries or injuries are also treated. The machine uses an excellent procedure which serves the visible skin smoothing as well as tightening with increased collagen generation. Recovery period is considerably low because it varies with the kind of laser used for the treatment. Use of this machine for the treatment does not require incisions. It involves less bleaching when compared to the other surgical methods opted for resurfacing. The results achieved here are relatively long-lasting. If a proper skin care regimen is adhered to when performed in a controlled medical environment by experienced professionals.

**Specification**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser Type</td>
<td>Ultra pulse fractional CO2 Laser with fractional incisional &amp; excisional skin resurfacing</td>
</tr>
<tr>
<td>Power (Watts)</td>
<td>30 / 40 / 50 / 70</td>
</tr>
<tr>
<td>Wave Length (nm)</td>
<td>10.601</td>
</tr>
<tr>
<td>Pulse Energy (MJ)</td>
<td>1-400 (adjustable)*</td>
</tr>
<tr>
<td>Operation Mode</td>
<td>Continuous, Pulsed: Single, Super pulse or Ultra pulse</td>
</tr>
<tr>
<td>Repetition Rate</td>
<td>1-1000 pulses/second</td>
</tr>
<tr>
<td>Time range</td>
<td>0.1 ms - 1 sec</td>
</tr>
<tr>
<td>Repeat delay</td>
<td>0.1 - 5.0 seconds</td>
</tr>
<tr>
<td>Depth of Penetration</td>
<td>Up to 4 mm/pulse*</td>
</tr>
<tr>
<td>Display</td>
<td>10.1 inches (Touch screen)</td>
</tr>
<tr>
<td>Scanner (inbuilt) (mm)</td>
<td>up to 20 mm X 20 mm with shapes like Square, Circle, Line, Rectangle, Hexagonal Etc.</td>
</tr>
<tr>
<td>Transmission</td>
<td>7 joint, spring balanced, long articulated arm, 360 degree rotation, light weight</td>
</tr>
<tr>
<td>Hand piece</td>
<td>Reusable, light weight, CO2 Fractional Hand Pieces,</td>
</tr>
<tr>
<td>Spot size</td>
<td>Up to 2mm adjustable</td>
</tr>
<tr>
<td>Aiming Beam</td>
<td>Diode Laser 635nm, 5mW adjustable, intensity, on/off lasting, blink on/off</td>
</tr>
<tr>
<td>Foot Switch</td>
<td>Wired (Detachable)</td>
</tr>
<tr>
<td>Power Supply</td>
<td>200-240V, 20A/16A/10%, 50/60 Hz, Single phase</td>
</tr>
<tr>
<td>Cooling System</td>
<td>RF Excited Metal Tube Closed Loop Cooling</td>
</tr>
<tr>
<td>Weight (Kg)</td>
<td>40</td>
</tr>
<tr>
<td>Dimensions (cm)</td>
<td>35 X 67 X 97</td>
</tr>
<tr>
<td>Standards Warranty</td>
<td>1 Year</td>
</tr>
<tr>
<td>Optional accessories</td>
<td>Hand pieces (Fractional, Incisional, Application Specific)</td>
</tr>
<tr>
<td>Probe For Vaginal Rejuvenation</td>
<td></td>
</tr>
<tr>
<td>Eye Shield, Cornea Shield</td>
<td></td>
</tr>
<tr>
<td>Safety Goggles</td>
<td></td>
</tr>
<tr>
<td>UPS</td>
<td></td>
</tr>
<tr>
<td>Smoke evacuator</td>
<td></td>
</tr>
<tr>
<td>External Air Compressor</td>
<td></td>
</tr>
</tbody>
</table>

*Values vary depending on the Power, pulse duration & other parameters

**Benefits**

- Longest wavelength
- Using super pulse mode (cutting & pulsing) ensure almost no tissue damage by fastest and cleanest cut.
- Excellent coagulation (homeostasis)
- True tissue generation
- Reduced surgical time
- Reduced healing time
- Minimal discomfort

Sahajanan Laser Technology Ltd. (BLTL Group) offers super pulse cutting mode which makes LAS-O-FLEX – DM (CO2 laser) different from other lasers to cut and coagulate with minimum tissue damage.