Changing dermatology forever
Unprecedented innovation in laser technology.

PicoSure is the world’s first and only picosecond aesthetic laser: a breakthrough method to remove tattoos and benign pigment lesions.

This unprecedented innovation in laser technology delivers ultra-short bursts of energy to the skin in trillionths of a second, enabling unmatched photomechanical impact or patented PressureWave™. PicoSure’s PressureWave™ shatters the target without injury to the surrounding skin. Even dark, stubborn blue and green inks, as well as previously-treated, recalcitrant tattoos can be removed.

Picosure: for better clearance with less fluence and fewer treatments.

PicoSure Changing dermatology forever
Employment concerns cited by 40% as reason for tattoo removal

The market for removal of pigmented lesions is about double the size of the market for removal of tattoos

1 in 5 U.S. Adults now has a tattoo

45 million

59% of women have tattoos compared to 41% of men

20% regret factor

43% growth

43% increase of tattoo removal procedures in 2012 (by aesthetic physicians)

Employment concerns cited by 40% as reason for tattoo removal

The market for removal of pigmented lesions is about double the size of the market for removal of tattoos

Typical American tattoo removal patient:
- Female ~ 69%
- Single
- College educated
- 24-39 years old

45

40 million

59%

41%

2

5

1

2

3

4

5
Picosecond vs. nanosecond technology

Traditional nanosecond lasers predominately rely on photothermal action, delivering heat to the pigment and surrounding tissue.

PicoSure takes advantage of PressureWave Technology to shatter the target ink into tiny particles that are easily eliminated by the body.
Ultra-short Pulse Duration is the Difference

- Picosecond pulse width is 100X shorter than nanosecond technology.
- Only ultrashort pulse durations trigger photomechanical effect.
- With this short pulse width, half the fluence is required compared to Q-Switched nanosecond lasers.

Electron Microscopy images courtesy of H.R. Jalian, M.D.

Electron Microscopy images courtesy of H.R. Jalian, M.D.

Photos courtesy of Cynosure, Inc.
Clinical data shows better results in fewer treatments, even with recalcitrant tattoos.\(^8\)
PicoSure Focus™ Lens Array

The Focus Lens Array harnesses the powerful photomechanical effect of the PicoSure and precisely directs it to a specific depth in the skin.

- Each beam treats a small area of skin with arrays of highly focused energy, up to 20 times that of a standard PicoSure pulse.
- Surrounding tissue is treated with lower fluence for a gentler background effect.

The **FOCUS** Lens Array provides a safer and more effective way to revitalize the appearance of the skin.

Photos courtesy of R. Saluja, MD

Photos courtesy of D. McDaniel, MD
**General Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Wavelength</td>
<td>755nm</td>
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<tr>
<td>Pulse Duration</td>
<td>750ps</td>
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<tr>
<td>Pulse Energy</td>
<td>200mJ</td>
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<tr>
<td>Electrical Power</td>
<td>200-240 V~, 4.5 kVA, 50/60Hz, single phase</td>
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<tr>
<td>Electrical Service Requirement</td>
<td>30Amp</td>
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</tbody>
</table>

**Handpiece Specifications**

- **Zoom Handpiece**
  - Spot Size: 2.0–6.0mm

- **Fixed Handpieces**
  - Spot Size: 6.0, 8.0, 10.0mm

For the power of PicoSure contact your Cynosure consultant today.

**Call 800-886-2966. Visit www.picosure.com**

**REFERENCES:**

1. Harris Interactive, 2012
2. http://www.reuters.com/article/2012/03/05/us-tattoos-women-idUSTRE8241SF20120305
4. Harris Interactive, 2013
6. ABC News, May 2012
7. Medical Insight, Inc 2013

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