NEW

PicoWay Resolve™
Picosecond Holographic Fractional

PicoWay®
The Clear Picosecond Laser Solution

Dual wavelengths
Highest peak power
Shortest pulses

SYNERON CANDELA®
“I believe, the ultra-short PicoWay technology requires lower energies and yields faster clinical results than traditional Q-switched lasers. In my experience, the Nd:YAG wavelength can treat a wide variety of skin types and, with the reduced energy, minimizes thermal injury to the skin. I believe that the PicoWay will further revolutionize tattoo removal.”

Tina Alster, M.D., Director, Washington Institute of Dermatologic Laser Surgery, Clinical Professor of Dermatology, Georgetown University Hospital

PicoWay – The Clear Solution with Breakthrough Technology

PicoWay is a remarkably innovative dual wavelength picosecond laser with both non-fractional & fractional capabilities from Syneron Candela, the most trusted name in aesthetic lasers.

PicoWay’s unique mode of action is based on delivering ultra-short picosecond pulses of energy to the tissue. These bursts of energy create a photoacoustic impact which breaks up the pigmentation into smaller, more easily eliminated particles.

Have it both ways
532 nm & 1064 nm non-fractional & fractional picosecond laser
NEW Resolve™ dual wavelength picosecond fractional module
Resolve for pigmentation, skin rejuvenation and toning
With the non-fractional modality, treat a wide range of tattoos
2 wavelengths to treat all tattoo colors & types, including recalcitrant tattoos
High peak power
Delivers energy over a broad range of spot sizes
Short picosecond pulses
Allows energy delivery with minimal risk of side effects
Pigmented Lesions
Tattoos
Skin Rejuvenation

Photos: Henry Chan, MD

After 1 treatment
Before

Photos: Eric Bernstein, MD

After 5 treatments
Before

Photos: Eric Bernstein, MD

After 3 treatments
Before

Photos: Eric Bernstein, MD

After 5 treatments
Before

Photos: Eric Bernstein, MD

After 2 treatments With PicoWay Resolve
Before

Photos: David Friedman, M.D.

Before

After 1 treatment
Before

Photos: Henry Chan, MD
World’s 1st Dual Wavelength Picosecond Laser Now With Dual Wavelength Fractional Capabilities

Proprietary PicoWay technology has optimal flexibility to adjust wavelength (1064nm & 532nm), beam delivery, energy, spot size and repetition rate for completely customizable treatments.

**Exemplary performance**
Integrated in a proven, reliable Candela platform.

**Optimal flexibility for optimal results**
Adjust wavelength, energy, spot size and repetition rate to treat all skin types.

**Scalable**
Robust design enables future application developments.

**Ergonomic handpieces**
Featherweight handpieces and articulated arm mean improved user comfort over large treatment areas and long treatment days.

**Large spot sizes**
Customize treatments with a broad range of spot sizes. Large spot sizes for faster coverage and the depth of penetration needed for some targets.

**Linked user interface**
Dial it on the handpieces, see it on the screen.

**Easy to use**
Streamlined guided mode user interface virtually eliminates a learning curve.

**Fits any office environment**
Medium sized, mobile from room to room.

**Fast initiation time**
Ready to use in less than 2 minutes.

**Low running costs**
PicoWay Pulse-on-Demand ensures ultra-long flashlamp life.

Now with both non-fractional & fractional capabilities.
Dual wavelengths: 532nm & 1064nm.
Appealing: A new way to treat your patients
Versatile: Treat skin rejuvenation, pigmentation and toning
Revolutionary: 1st laser with holographic fractional technology
Predictable & Consistent: Holographic technology ensures reproducible results

Easy upgrade to PicoWay.

PicoWay - now with Resolve - is the first picosecond dual wavelength (532nm & 1064nm) system with both non-fractional and fractional capabilities. "Picosecond lasers are already being used for skin rejuvenation and improvement of acne scarring, using fractionated and non-fractionated beam profiles"1,2.

Resolve Creates Skin Rejuvenation via LIOBs
Resolve uses picosecond pulses to create laser induced optical breakdown (LIOBs) in the dermis while leaving the epidermis intact. The LIOBs cause lesions in the dermis due to plasma formation. This LIOB creation stimulates a healing response and skin remodeling which results in skin rejuvenation.

Competitor’s Micro-lens Array Fractional Technology 4

- Gaussian Profile
  - The peaks do not have the same energy. Peak Fluence Range: 2.6 to 11.3 J/cm². 30% of energy is lost as background energy.
  - Total energy = 0.2 J / treatment area

- Top Hat Profile
  - All peaks have the same energy. Peak Fluence: 16.8 J/cm² for all peaks. No energy is lost as background energy.
  - Total energy = 0.4 J / treatment area
Short Pulses & High Peak Power for Optimal Results

PicoWay’s unique, proprietary mode of action has high peak power and short pulse durations for demonstrated performance and comfort. PicoWay’s ultra-short pulses enable the strong photoacoustic impact needed to fracture pigment particles using lower fluences, for clearance in fewer treatments.

Acoustic to Thermal Pressure Index.
An ATPI index greater than 1 indicates a photoacoustic fracturing mechanism while an index less than 1 indicates a photothermal fracturing mechanism. PicoWay has 450 ps & 375 ps pulses.

Photoacoustic Fracturing is Advantageous
1. Less heat is generated resulting in fewer side effects and minimal discomfort
2. Improved ability to treat smaller particles resulting in more complete clearance.

High Peak Power Means Greater Efficacy
The high peak power of the 450 ps pulse of PicoWay delivers 4.5 times more photoacoustic effect than the 750 ps pulse of other picosecond devices. The 750 ps pulse delivers a more photothermal effect, since it does not have high peak power and must deliver the energy over a longer period of time. This excess photothermal effect can lead to potential side effects.*

Photoacoustic
Laser energy is delivered so rapidly that the even the smallest pigment fragments will shatter.

Photothermal
Laser energy is delivered more slowly so that only larger pigment fragments will shatter.

* Unpublished data on file
Scientists acknowledge that the shorter the pulse duration, the higher the efficiency for converting laser energy into the mechanical stress needed to fracture particles into small fragments. The smaller the fragment, the easier it is for the body to effectively remove it.

**Q-Switch technology** requires numerous treatment sessions, causes significant discomfort during treatment and, in many cases, incompletely removes tattoos and pigmented lesions.

**Picosecond technology,** has ultra-short pulse durations, 100 times shorter than Q-switch lasers, and in the trillionths of a second. PicoWay is the answer physicians are looking for to combat the reluctance patients may have to treat tattoos or pigmented lesions.

*After treatment with nanosecond Q-switched lasers*

*After treatment with PicoWay’s picosecond technology, pigments are shattered into tiny particles making them easier to be eliminated by the body’s natural processes.*

“PicoWay’s unique picosecond technology enables full flexibility to adjust the wavelength, energy, spot size and repetition rate, providing customizable treatments which ensure outstanding clinical results, including high comfort and satisfaction rate. The novel PicoWay technology also enables our clinic to offer a new and exciting solution to remove pigmented lesions.”

Henry Chan, MD, Vice President of Hong Kong College of Dermatologists, Honorary Professor, Department of Medicine, University of Hong Kong
Syneron Candela is the global leader in the aesthetic medical device marketplace.

We are one company with two distinctive brands. We combine a level of innovation, expertise and customer understanding that is superior to that of any company in our industry.

Financial stability, through our aligned resources, allows our company to offer customers the broadest available product portfolio, the best global service organization and an expansive worldwide distribution network.

Together, we are more market responsive than ever before. We know how to quickly innovate safe and effective products to meet a variety of needs and price points. We are even stronger at anticipating future market trends to help support our customers and their patients. With new breakthrough technologies currently in the pipeline, we are ideally positioned to maintain our global leadership and continue to help you grow your practice.

Syneron and Candela have offices and distributors around the world.

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4 Based on the competitors’ published data

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**PicoWay Specifications**

<table>
<thead>
<tr>
<th>Laser Type</th>
<th>Nd:YAG</th>
<th>Frequency Doubled Nd:YAG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelengths</td>
<td>1064 nm</td>
<td>532 nm</td>
</tr>
<tr>
<td>Maximum Energy</td>
<td>400 mJ</td>
<td>200 mJ</td>
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<tr>
<td>Pulse Duration</td>
<td>450 ps</td>
<td>375 ps</td>
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<tr>
<td>Peak Power</td>
<td>0.90 Gigawatts</td>
<td>0.53 Gigawatts</td>
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<tr>
<td>Spot Sizes</td>
<td>2, 3, 4, 5, 6, 7, 8, 9, 10 mm</td>
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<tr>
<td>Repetition Rate</td>
<td>Single 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Hz</td>
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</tr>
<tr>
<td>Delivery System</td>
<td>Articulated arm with Zoom handpiece</td>
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<tr>
<td>Warm Up Time</td>
<td>2 minutes</td>
<td></td>
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<tr>
<td>User Interface</td>
<td>Touchscreen with GUI</td>
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</tr>
<tr>
<td>Size</td>
<td>42” H x 18” W x 27” D</td>
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<tr>
<td>107 cm H x 46 cm W x 69 cm D</td>
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<tr>
<td>Weight</td>
<td>275 lbs. / 125 kg.</td>
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<td>Power Requirements</td>
<td>200-240 VAC, 50/60 Hz, 30 A, 4600 VA single</td>
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</table>

**Resolve Specifications**

<table>
<thead>
<tr>
<th>Laser Type</th>
<th>Nd:YAG</th>
<th>Frequency Doubled Nd:YAG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength</td>
<td>1064 nm</td>
<td>532 nm</td>
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<tr>
<td>Micro-beam energy</td>
<td>Up to 3.0 mJ</td>
<td>Up to 0.30 mJ</td>
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<tr>
<td>Pulse Duration</td>
<td>450 ps</td>
<td>375 ps</td>
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<tr>
<td>Spot Size</td>
<td>6mm x 6mm</td>
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<tr>
<td>Matrix</td>
<td>10 x 10 Micro-beam array</td>
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</tr>
<tr>
<td>Repetition Rate</td>
<td>Single, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Hz</td>
<td></td>
</tr>
<tr>
<td>Delivery System</td>
<td>Articulated arm with Resolve handpiece</td>
<td></td>
</tr>
</tbody>
</table>