NEW
3 Wavelengths and Resolve Fractional

PicoWay®
The Complete Picosecond Platform

THE Aesthetic Industry Awards Winner

SYNERON CANDELA®
PicoWay – The Complete Picosecond Platform

PicoWay is a remarkably innovative 3 wavelength picosecond laser with both full-beam & 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 target pigment into smaller, more easily eliminated particles.

Now with 3 wavelengths
532nm, 785nm & 1064nm picosecond laser

Targets a wide range of tattoos and pigmented lesions
3 wavelengths to treat a variety of pigmented lesions and all tattoo colors & types

Resolve™ dual wavelength picosecond fractional module
Treats pigmentation, skin irregularities and signs of aging

High peak power
Enables a broad range of spot sizes for ultimate treatment customization

Ultra-short picosecond pulses
Allows effective treatment with minimal risk of side effects

“This is the first, ever, 785nm wavelength picosecond-domain laser in the world. This novel addition to the PicoWay enables optimal treatment for blue and green tattoos, and is a welcome addition to the 532 and 1,064nm wavelengths already available with the PicoWay. The new 785nm wavelength further enhances the already strong capabilities of the PicoWay platform for tattoo removal, adding to its ability to rapidly and safely clear multicolored tattoos. I am thrilled to offer this new wavelength to my patients.”

Eric Bernstein, M.D., President of Main Line Center for Laser Surgery, Ardmore, PA
"The PicoWay Nd:YAG laser allows us to treat a broader range of skin types and a wide array of tattoo ink colors. With the ultra-short picosecond pulse duration, there is less discomfort during treatment and faster healing. Professional and multicolored tattoos are cleared in far fewer treatment sessions than with conventional Q-switched lasers."

Arielle N.B. Kauvar, MD, Director, New York Laser & Skin Care. Clinical Professor of Dermatology, NYU
PicoWay - Fully Featured Picosecond Platform

Proprietary PicoWay technology has optimal flexibility to adjust wavelength (532nm, 785nm & 1064nm), 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 deeper targets.

**Linked user interface**
System recognizes handpiece automatically.

**Easy to use**
Streamlined 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.
Resolve Treats Skin Irregularities via LIOBs & LICs

Resolve uses picosecond pulses to create both Laser Induced Cavitations (LICs) in the dermis and Laser Induced Optical Breakdown (LIOBs) in the dermal-epidermal junction, while leaving the epidermis intact. These LIC creations, in a 2D pattern, stimulate a healing response and skin remodeling. The LIOB creations, in a 2D pattern, produce more of an effect on pigmentation. *Picosecond lasers are already being used for skin rejuvenation and improvement of acne scarring, using fractionated and non-fractionated beam profiles*.1-3

Histology of skin biopsied one-day post treatment with Resolve 532nm, 1.3 mJ/µbeam showing 3 LIOB lesions in the epidermis. (Courtesy A. Kauvar, M.D.)

Histology of skin biopsied one-day post treatment with Resolve 1064nm and 532nm showing lesions in the upper dermis. The left image was treated with 1064nm, 2 mJ/µbeam. The right image 1064nm, 2 mJ/µbeam and 532nm, 0.3 mJ/µbeam. (Courtesy A. Ribe, M.D.)

Resolve uses a picosecond holographic fractional beam to deliver predictable energy and ensure uniform treatment with little downtime.
Ultra-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.

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.

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, with pulses from 300-450ps, has an ATPI index greater than 1.

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 450ps pulse of PicoWay delivers 4.5 times more photoacoustic effect than the 750ps pulse of other picosecond devices. The 750ps 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."
Why was 785nm chosen for PicoWay's 3rd wavelength?

The 755 nm wavelength has been the standard to address blue and green pigments, as well as melanin. While Syneron Candela is a recognized expert and top global provider of 755nm laser devices, we deliberately chose the 785nm wavelength instead as our 3rd wavelength on PicoWay because:

1. 785nm has good absorption by green & blue inks.
2. 785nm penetrates deeper compared to 755nm to the region of the spectrum where it can treat melanosomes, without interference from blood.
3. 785nm enables ultra-short pulses (300ps), for better elimination of green and blue inks.

Compare how PicoWay's 785nm picosecond laser eliminates the green compared to a 755nm Q-switched laser.

Why choose PicoWay over a Q-Switched Laser?

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

PicoWay technology has ultra-short pulse durations, 100 times shorter than Q-switched pulses. PicoWay requires fewer treatment sessions with less discomfort.

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** As reported in scientific literature.
## PicoWay Specifications

<table>
<thead>
<tr>
<th>Laser Type</th>
<th>PicoWay Full Beam Handpiece Specifications</th>
<th>PicoWay Resolve Fractional Handpiece Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelengths</td>
<td>Nd:YAG</td>
<td>Titanium Sapphire</td>
</tr>
<tr>
<td>1064 nm</td>
<td>532 nm</td>
<td>785 nm</td>
</tr>
<tr>
<td>Maximum Energy</td>
<td>400mJ</td>
<td>200mJ</td>
</tr>
<tr>
<td>85 mJ</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Micro-Beam Energy</td>
<td>NA</td>
<td>Up to 3.0 mJ</td>
</tr>
<tr>
<td>Pulse Duration</td>
<td>450 ps</td>
<td>375 ps</td>
</tr>
<tr>
<td>300 ps</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peak Power</td>
<td>0.90 Gigawatts</td>
<td>0.53 Gigawatts</td>
</tr>
<tr>
<td>0.28 Gigawatts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spot Sizes</td>
<td>2, 3, 4, 5, 6, 7, 8, 9, 10 mm</td>
<td>2, 3, 4 mm</td>
</tr>
<tr>
<td>Matrix</td>
<td>NA</td>
<td>6mm x 6mm</td>
</tr>
<tr>
<td>Repetition Rate</td>
<td>Single, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Hz</td>
<td>Single, 1, 2, 3, 4, 5 Hz</td>
</tr>
<tr>
<td>Delivery System</td>
<td>Articulated arm with 2 wavelength Zoom handpiece</td>
<td>Dedicated handpiece Articulated arm with Resolve handpiece</td>
</tr>
<tr>
<td>System Specifications</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Warm Up Time</td>
<td>2 minutes</td>
<td></td>
</tr>
<tr>
<td>User Interface</td>
<td>Touchscreen with GUI</td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td>42” H x 18” W x 27” D / 107 cm H x 46 cm W x 69 cm D</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>275 lbs. / 125kg.</td>
<td></td>
</tr>
<tr>
<td>Power Requirements</td>
<td>200 - 240 VAC, 50/60 Hz, 30 A, 4600 VA single</td>
<td></td>
</tr>
</tbody>
</table>

Syneron Candela is a leading global aesthetic device company with a comprehensive product portfolio and a global distribution footprint. The Company’s technology enables physicians to provide advanced solutions for a broad range of medical-aesthetic applications including body contouring, hair removal, wrinkle reduction, tattoo removal, improving the skin’s appearance through the treatment of superficial benign vascular and pigmented lesions, and the treatment of acne, leg veins and cellulite.

The Company sells its products under three distinct brands, Syneron, Candela and CoolTouch, and has a wide portfolio of trusted, leading products, including UltraShape, VelaShape, GentleLase, VBeam Perfecta, PicoWay, CO₂ RE, CO₂ RE Intima*, Profound and elōs Plus. Founded in 2000, the company markets, services and supports its products in 86 countries. It has offices in North America, France, Germany, Italy, Portugal, Spain, UK, Australia, China, Japan, and Hong Kong, and distributors worldwide.

4 Based on the competitors’ published data
5 The research was conducted by Wizer, an independent market research company via Harris Physicians Panel, including members of its third party panel providers, among 302 physicians in November 2015. Syneron-Candela had the highest brand recognition for Hair Removal, Facial Rejuvenation, Skin Tightening** & Vascular Treatments.
6 CO₂ RE Intima is a module of CO₂ RE

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