NEW
3 Wavelengths
and Resolve
Fractional

PicoWay®
The Complete Picosecond Platform

THE Aesthetic Industry Award Winner

SYNERON CANDELA®
Eric Bernstein, M.D., President of Main Line Center for Laser Surgery, Ardmore, PA

“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

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

*Syneron-Candela Proprietary Survey, 2015      **Medical Insights, 2015
"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
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.

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**PicoWay Zoom**
Dial in either the 532nm or the 1064nm.

**PicoWay 785nm**
Dedicated 785nm.

**Resolve 532nm for shallower lesions**

**Resolve 1064nm for deeper lesions**
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.

### Competitor’s Micro-lens Array Fractional Technology

**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

### Resolve Holographic Fractional Technology

**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
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.

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.*

* Unpublished data on file
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.

** 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>1064 nm, 532 nm</td>
<td>1064 nm, 532 nm</td>
</tr>
<tr>
<td>Maximum Energy</td>
<td>400mJ, 200mJ</td>
<td>Up to 3.0 mJ, NA</td>
</tr>
<tr>
<td>Micro-Beam Energy</td>
<td>NA, Up to 3.0 mJ</td>
<td>450 ps, 375 ps</td>
</tr>
<tr>
<td>Pulse Duration</td>
<td>450 ps, 375 ps</td>
<td>Single, 1, 2, 3, 4, 5 Hz</td>
</tr>
<tr>
<td>Peak Power</td>
<td>0.90 Gigawatts, 0.53 Gigawatts</td>
<td>NA, Up to 0.30 mJ</td>
</tr>
<tr>
<td>Spot Sizes</td>
<td>2, 3, 4, 5, 6, 7, 8, 9, 10 mm</td>
<td>6mm x 6mm</td>
</tr>
<tr>
<td>Matrix</td>
<td>NA, 10 x 10 Microbeam array</td>
<td>10 x 10 Microbeam array</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>
</tbody>
</table>

Delivery System: Articulated arm with 2 wavelength Zoom handpiece, Dedicated handpiece, Articulated arm with Resolve handpiece

System Specifications:
- Warm Up Time: 2 minutes
- User Interface: Touchscreen with GUI
- Size: 42” H x 18” W x 27” D / 107 cm H x 46 cm W x 69 cm D
- Weight: 275 lbs. / 125kg.
- Power Requirements: 200 - 240 VAC, 50/60 Hz, 30 A, 4600 VA single

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, CO₂RE, CO₂RE 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 CO₂RE Intima is a module of CO₂RE
7 Wording used in the Wizer Survey.

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