

PicoWay®

Remove boldy Treat lightly

True picosecond laser for
benign pigmented lesions
and tattoo removal



 **CANDELA™**
Science. Results. Trust.



The PicoWay® system is a versatile picosecond platform intentionally designed for your practice

Now with 3 wavelengths

532nm, 785nm & 1064nm
picosecond laser

Resolve™ dual wavelength picosecond fractional module

Treats pigmentation, skin
irregularities and signs of ageing

Targets a wide range of tattoos and pigmented lesions

3 wavelengths to treat a variety
of pigmented lesions and various
tattoo colors & types

High peak power

Enables a broad range of spot
sizes for ultimate treatment
customization

Ultra-short picosecond pulses

Allows successful treatment with
minimal risk of side effects





PicoWay Zoom

- Full beam 532 nm and 1064 nm³⁻⁵
- Tattoo removal, benign pigmented lesions³⁻⁵



PicoWay 785

- Titanium Sapphire Crystal¹³
- 785 nm⁵
- Tattoo removal (blue and green)⁵



PicoWay Resolve

- Two handpieces: 532 nm and 1064 nm¹⁻²
- Pigmentation, Skin Irregularities and Anti-ageing

532 nm and 1064 nm - spot sizes range up to 10 mm
785 nm - spot sizes 2, 3, 4 mm

6x6 mm with 101 identical beams for uniform treatment^{11, 13}

The system architecture is designed for treatment customization and performance^{1-5,13}

Flexibility

- Flexible treatment parameters for physician control of wavelength, fluence, repetition rate, and spot size for highly customizable treatments¹³
- Multiple energies per spot size¹³
- Open architecture for future upgradeability¹³

Power and Pulse Durations

- 3 true picosecond wavelengths with high peak power and shortest pulse durations for a photoacoustic effect¹⁻⁵
- No compromise of spot size for fluence¹³

Stability

- Stable optical synchronization for a reliable laser¹³
- Runs cool¹³

Conservation

- Fast warm-up time¹³
- No frequent costly flashlamp replacement¹³
- Uses only 10% of its capable energy¹³
- No consumables¹³

¹³Improvement of textural irregularities via skin resurfacing.



The PicoWay®
system delivers
2 treatments in
1 platform

PicoWay
demonstrates
statistically
significant
improvement in all
studied uses¹⁻⁵



Benign Pigmented Lesions³ Tattoo Removal⁴⁻⁵

5532 nm or 1064 nm

532 nm, 785 nm, 1064 nm

% treated
areas improved
at primary
effectiveness
endpoint

96%
(n=26, blinded evaluation)

86%
(n=60 subjects with 75 black or
multicolor tattoos had at least 50%
clearance after 3 treatments)

83%
(n=18, blue/green tattoos treated with
785 nm had at least 50% clearance
after 2 treatments)

Endpoint
description

at least 50% clearance (Grade
3-5) after 2 treatments (or after 4
treatments for benign pigmented
lesions) by blinded evaluation

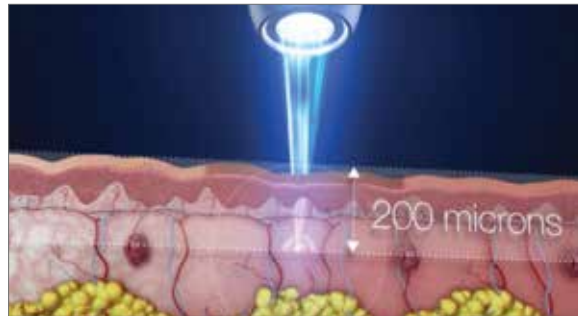
Blinded reviewer assessment
(primary endpoint)
after 3 treatments
(532 nm or 1064 nm)
or after 2 treatments
(785 nm)

High rates of physician and patient satisfaction¹⁻³

The PicoWay Resolve handpieces act at the dermis without breaking the epidermis^{1,2,11,13}



PicoWay Resolve splits the beam into 101 evenly spaced, identical beams for uniform treatment^{11,13}



The treatment generates a pattern of photomechanical (photoacoustic) injury in the dermis called Laser Induced Optical Breakdown (LIOB) that leads to a wound-healing process without Tissue Remodeling^{1,2,11}

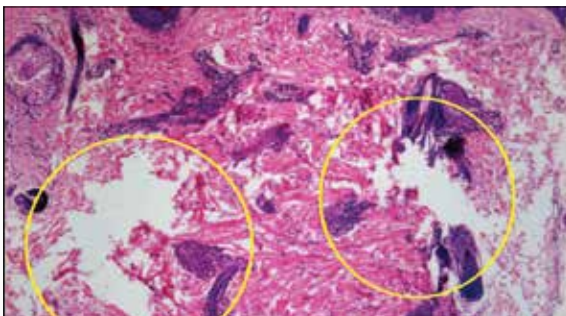
Resolve treats skin irregularities via LIOBs and and LICs^{2,11}

Areas treated include:^{1,2}

- › Forehead
- › Periorbital
- › Cheeks
- › Nose
- › Chin
- › Perioral
- › Jawline

Picosecond lasers have been demonstrated to build collagen and elastin¹⁴⁻¹⁶

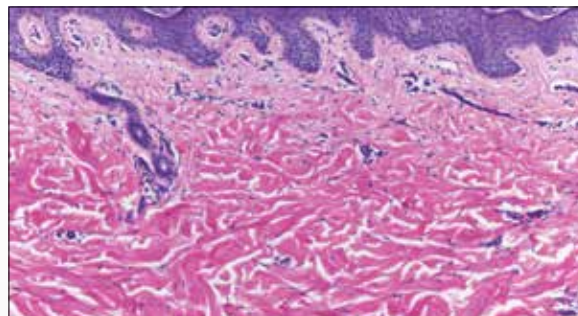
A photoacoustic effect creates cavitations and a wound-healing response in the dermis^{2,11}



1 day post treatment

Cavitations created in the upper dermis (Resolve 1064 nm, 2 mJ/μbeam)

Courtesy of A. Ribe, MD



2 months post treatment

Complete healing with the empty vacuoles filled by the wound-healing process

Courtesy of A. Kauvar, MD

PicoWay Resolve transforms skin with **low to no downtime**^{1,2}

Brief 15- to 20-minute treatment sessions

Tolerable, mild side effects: 8-36 hours of mild erythema

Little post-procedure discomfort

Epidermis is intact²

¹Improvement of textural irregularities via skin resurfacing.





Aesthetic lasers have evolved to meet consumer demands with **bold yet gentle treatment**

Conventional Fractional

Ablative Resurfacing

Photothermal

Heats surrounding tissue

Non-Ablative Fractional Resurfacing

Nanosecond Lasers

Photothermal

Heats surrounding tissue

Sub-Surface Tissue Remodeling

Picosecond Lasers

Photoacoustic

- Epidermal damage¹⁰
- Social downtime of around 2 weeks¹⁰
- Potential risk of scarring¹⁰

- Perforation of the epidermis¹⁰
- Social downtime of at least 5 days¹⁰

Tattoos

- Potential reduction in number of treatments needed¹²
- Successful clearance of colors, especially blue and green¹²
- Potential reduction in time required for removal¹²
- Low risk of side effects (e.g., residual scarring)¹²

PicoWay® The way of the future

Black Tattoo, 1064nm



Baseline

day post 1 treatment 1

Post 2 treatments

Photos courtesy of: Delete - Tattoo Removal & Laser Salon

Blue Tattoo on Skin Type III, 785nm



Baseline

weeks post 2 treatments 8

Photos courtesy of: Eric Bernstein, M.D

Benign Pigmented Lesion with 532nm & 1064nm



Baseline

months post 3 treatments 6

Photos courtesy of: Cheng Kuo-Liang, M.D

Resolve 532nm & 1064nm on Skin Type II



Baseline

Immediately post 1 treatment

Post 6 weeks and 2 treatments

Photos courtesy of: David Friedman, M.D



PicoWay® system

Remove boldly
Treat lightly

The PicoWay Zoom handpiece (532 nm, 1064 nm) treats benign pigmented lesions and tattoo removal.

The PicoWay 785 nm handpiece removes blue and green tattoos.³⁻⁵

| PICOWAY SPECIFICATIONS | | | |
|------------------------|---|--------------------------|---------------------|
| LASER TYPE | ND:YAG | FREQUENCY DOUBLED ND:YAG | TITANIUM SAPPHIRE |
| Wavelengths | 1064 nm | 532 nm | 785 nm |
| Maximum Energy | 400 mJ | 200 mJ | 85 mJ |
| Pulse Duration | 450 ps | 375 ps | 300 ps |
| Peak Power | 0.89 Gigawatts | 0.53 Gigawatts | 0.28 Gigawatts |
| Spot Sizes | 2, 3, 4, 5, 6, 7, 8, 9, 10 mm | | 2, 3, 4 mm |
| Repetition Rate | Single, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Hz | | |
| Delivery System | Articulated arm with 2 wavelength Zoom handpiece | | Dedicated handpiece |
| 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. / 125 kg. | | |
| Power Requirements | 200-240 VAC, 50/60 Hz, 30 A, 4600 VA single | | |

The PicoWay Resolve handpieces (532 nm and 1064 nm) treat skin irregularities.¹⁻²

| RESOLVE SPECIFICATIONS | | |
|------------------------|--|--------------------------|
| LASER TYPE | ND:YAG | FREQUENCY DOUBLED ND:YAG |
| Wavelengths | 1064 nm | 532 nm |
| Micro-beam energy | Up to 2.9 mJ | Up to 1.5 mJ |
| Pulse Duration | 450 ps | 375 ps |
| Spot Size | 6mm x 6mm | 6mm x 6mm |
| Matrix | 10 x 10 Microbeam array | 10x10 Micro-beam array |
| Repetition Rate | Single, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Hz | |
| Delivery System | Dedicated handpiece | |

For more information about how the PicoWay system may help achieve your practice goals, contact your local Candela sales professional or visit candelamedical.com.

References: Photos have been unretouched. Individual results may vary. Stock photos used are not actual patients. Footnotes a. Based on available 510(k) summaries as of October 2017. References 1. PicoWay 510(k) clearance for wrinkles (K170597), May 2017. 2. PicoWay 510(k) clearance for acne scars (K162454), February 2017. 3. PicoWay 510(k) clearance for benign pigmented lesions (K150326), April 2015. 4. PicoWay 510(k) clearance for tattoos (K142372), October 2014. 5. PicoWay 510(k) clearance for tattoos with 785 nm handpiece (K160607), July 2016. 6. American Society for Aesthetic Plastic Surgery. 2016 Cosmetic Surgery National Data Bank Statistics. 7. Dreno B, Tan J, Kang W, Rueda M, Lozada VT, et al. How people with facial acne scars are perceived in society: an online survey. *Dermatol Ther.* 2016;6:207-218. 8. American Academy of Dermatology website. <https://www.aad.org/media/stats/conditions>. Accessed July 7, 2017. 9. Colby SL, Ortman JM. Projections of the Size and Composition of the US Population: 2014 to 2060. US Census Bureau. March 2015. 10. Beylot, C, et.al., *Ann Dermatol Venereol.* 2009 Oct;136 Suppl 6:S311-9. doi: 10.1016/S0151-9638(09)72539-6. 11. Schomacker K, Bhawalkar JD. PicoWay Clinical Bulletin. 2016. Data on file. 12. Adatto MA, Amir R, Bhawalkar JD, et al. New and advanced picosecond lasers for tattoo removal. *Curr Probl Dermatol.* 2017;52:113-123. 13. Data on file. Syneron Candela. 14. Brauer JA, Kazlouskaya V, Alabdulrazzaq H, et al. Use of a picosecond pulse duration laser with specialized optic for treatment of facial acne scarring. *JAMA Dermatol.* 2015;151(3):278-284. 15. Tanghetti EA, Tartar DM. Comparison of the cutaneous thermal signatures over twenty-four hours with a picosecond alexandrite laser using a flat or fractional optic. *J Drugs Dermatol.* 2016;15(11):1347-1352. 16. Tanghetti EA. The histology of skin treated with a picosecond alexandrite laser and a fractional lens array. *Lasers Surg Med.* 2016 Sep;48(7):646-52. doi: 10.1002/lsm.22540. Epub 2016 Jun 1.