**TECHNICAL SPECIFICATIONS**

- **Laser type**: Ruby
- **Wavelength**: 694 nm
- **Operating mode**: Q-switched
- **Energy density**: 2-14 J/cm²
- **Pulse width**: 20 nsec
- **Beam diameter**: 3/4/5 mm
- **Repetition rate**: 0.5-2 Hz
- **Power requirements**: 230 V +- 10%, 16 A, 50/60 Hz
- **Dimensions**: (LxWxH) 84x35x102 cm
- **Weight**: 73 kg
- **Compliance**: EC Medical Device Directive (MDD) 93/42/EEC (CE mark), FDA/US 510k*

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**AESTHETIC PRECISION**

The safest and most precise laser treatment solution available for pigmented lesions and multi-color tattoo removal.

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**BENEFITS**

- **Safe and accurate**: with small Q-switched fluences and single pulses for safe and accurate treatment of sensitive skin.
- **Flexible patient scheduling**: immediate sleep/active modes allow for quick patient acceptance without long system warm up delays.
- **Fast treatment**: a high pulse repetition rate and easy spot size changes allow for faster treatments and a more efficient practice.
- **Suitable for all skin types**: including darker skin.
- **High ROI**: with a cost-effective solution that yields higher returns than devices that achieve comparable results using more expensive technology.
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**TREATMENT SAFETY**

- **SPADE II uses a divergent beam**: with the focus point located within the handpiece rather than on the skin. This removes the risk of creating hot spots during treatment.
- **SPADE II offers a 3mm soft spot size tip**: allowing for safe and effective treatment of darker skin types.
- **An oval spot shape reduces treatment overlap**: minimizing the risk of side effects.
- **A cold air cooling device further reduces pain and maximizes patient comfort.**
INTRODUCTION

The SINON II Q-switched Ruby laser (QSWRL), with an optimal 694nm wavelength and an extraordinarily short pulse width of only 20nsec, is the safest and most precise laser treatment solution available for pigmented lesions and multi-color tattoo removal. Now with a new large 10” colorful touchscreen, SINON II offers a friendly interface and an easy operation platform.

A high pulse repetition rate and easy spot size changes allow for faster treatments and greater penetration depth, while low fluence values ensure minimal side effects while achieving excellent clinical outcomes.

Listen to our experts:

Prof. Uwe Paasch, M.D., Ph.D., Department of Dermatology, University of Pennsylvania, Philadelphia, USA

Dr. Bernstein, MD, Clinical Associate Professor of Dermatology, University of Pennsylvania, Philadelphia, USA

MELANOCYTIC HYPERPLASIE

BeforeAfter

NEVUS OF OTA

BeforeAfter

TATTOO REMOVAL

BeforeAfter

LISTEN TO OUR EXPERTS:

Mitch Goldstein, M.D., Goldman, Bernstein & Associates, Cosmetic Laser Dermatology, San Diego, USA

New

THE Q-SWITCHED RUBY LASER ADVANTAGE

Ruby Wavelength

The Ruby laser has a proven track record as the most effective of all Q-switched lasers for pigmented lesions as well as yielding excellent results for multi-colored tattoo removal.

With a 694nm wavelength, the Ruby laser is selectively absorbed by melanin and more deeply penetrating than the Nd:YAG laser, with very low absorption by hemoglobin and minimal side effect profile.

The high absorption by the melanin chromophore allows for effective treatment of both superficial and deep pigmentation with low fluence values, which significantly reduces the risk of side effects.

Q-Switched Laser

The Q-Switched (QSWRL) laser is the most effective way to remove natural or artificial tattoo pigmentation, while minimizing the risk of damage to surrounding tissue.

SINON II uses an active Q-switched laser to deliver photo acoustic shockwaves to the targeted ink particles in short nanosecond pulses. The mechanical shock waves break down the pigment in the lesion or the ink particles in the tattoo.

As the area heals, the body’s immune system flushes away the shattered pigment, revealing lighter, clear skin with minimal risk of scarring or hypopigmentation.

Ultra-Short Pulses

The SINON II system features ultra-short pulse durations of only 20nsec. This is the shortest pulse duration of all Ruby lasers available in the market.

The short pulse produces very high peak power capable of optical breakdown with minimal patient pain. With highly efficient energy delivery, it causes fewer side effects and still achieves excellent results. Low fluence also allows for the application of large spot sizes for faster treatment as well as for targeting deep skin pigments.

Fractional Handpiece

SINON II’s new fractional tip offers the advantages of fractional technology for the treatment of pigmented lesions and multi-colored tattoos.

5x5 pixel array micro beams of Ruby Q-Switched laser energy create vacuoles with minimal thermal effect. This allows the skin to heal faster as new collagen is formed. Fractional treatment achieves more even ablation over a larger area and offers an added skin rejuvenation effect, while reducing patient downtime.

INDICATIONS

Benign Pigmented Lesions

Using a nanosecond laser pulse—the gold standard for treating pigmented lesions, SINON II is the optimal choice for treating naturally occurring hyperpigmentation including:

- Solar lentigos
- Lesions affecting the oral mucosa and the lips
- Deeper lesions such as Nevus of Ota and Ito’s
- Café-au-lait spots.

Multi-Colored Tattoos

The QSW Ruby laser delivers the high energy required to effectively remove tattoos of all types and depths, creating superior results for treating resistant tattoo ink colors such as lime-green, sky-blue and teal. With precise ink targeting and high peak power, SINON removes tattoo pigments in fewer treatments, providing greater patient satisfaction.

The removal of tattoos with the SINON II ruby laser system yields excellent results for almost all colors. The high energy output and the natural ablation of spot size and apexes, often only a few treatments are needed. The short 20nsec pulse duration allows for enhanced treatment efficacy.

Prof. Jack Park, University Chair of Leading, Germany

Overall, the SINON II has revolutionized the ruby laser market. The ruby laser is done and done, and better than ever. Now, we are able to achieve results in this area that is exactly comparable to older ruby lasers. It only takes a few minutes to achieve a tattoo removal.