Quintel Derma stands for:

> **Scientifically Proven Benefits**
  As a result of our ongoing dialog with leading doctors and scientists we continue to develop systems and methods that have scientifically proven benefits for the patient.

> **Quality**
  We work in the tradition of fine German and French engineering to develop systems with outstanding quality.

> **Design**
  We are pleased to produce these lasers and light-based systems with our award-winning designs that encompass looks, functionality and ergonomics for superior ease of use.

> **Reliability**
  Our systems have achieved high reliability that results in consistent value for our users over a long period.

Certified Quality
All of our devices fulfill the stringent standards of IEC 60601/IEC 60825, EC Medical Device Directive (MDD) 93/42/EEC (CE mark) and FDA/510k for the US products. A list of Quantel Derma US registrations can be found under www.quantel-derma.com/legal-advice.
APPLICATIONS
Solutions for Medical and Aesthetic Treatments

Acne Therapy
> ARAMIS
> LEDA HP 415 blue
> LEDA SCR 585 yellow

Fractional Laser Treatment
> BURANE XL with FX4/FX12
> EXELÖ

Benign Skin Alterations
> ARAMIS
> BURANE
> EXELÖ

Psoriasis, Vitiligo, Dermatitis
> 308
> LEDA HP 370 uva

Skin Rejuvenation
> ARAMIS
> BURANE
> LEDA HP/SCR 585 yellow
> MYDON

Superficial Vascular Lesions
> IDAS
> MYDON

Hair Removal
> ARION
> LEDA EPI 808/980

Photodynamic Therapy (PDT)
> LEDA SCR 635 red

Pigment Removal
> BURANE
> IDAS
> SINON

Deeper-Lying Vascular Lesions
> IDAS
> MYDON

Wound Healing
> LEDA HP/SCR 635 red
Our Product Portfolio

One of the Most Comprehensive and Attractive in the Industry

308
- Psoriasis
- Vitiligo
- Dermatitis

ARAMIS
- Acne therapy
- Skin rejuvenation
- Benign skin alterations

ARION
- Hair removal

BURANE
- Benign skin alterations
- Pigments
- Scars
- Wrinkles

FX4/FX12 for BURANE XL
- Fractional laser treatment
- Surgical indications

EXELO²
- Fractional laser treatment
- Surgical indications

IDAS
- Vascular lesions
- Pigmented lesions
- Surgical indications

LIAS
- Vascular skin alterations
- Skin rejuvenation
- Hair removal (optional)

MYDON
- Vascular skin alterations
- Skin rejuvenation
- Hair removal (optional)

SINON
- Tattoos
- Pigmented lesions

308
- Acne therapy
- Skin rejuvenation
- Benign skin alterations

LEDA EPI
- EPI 808 Diode Laser
  Hair removal for lighter skin types
- EPI 980 Diode Laser
  Hair removal for darker skin types

LEDA HP
- HP 635 red: PDT and wound healing
- HP 585 yellow: skin rejuvenation and acne therapy
- HP 415 blue: PDT of skin surface and acne therapy
- HP 370 uva: vitiligo, psoriasis and dermatitis

LEDA SCR
- SCR 635 red: PDT and wound healing
- SCR 585 yellow: skin rejuvenation and acne therapy
The 308 excimer system is distinguished by low acquisition and operating costs as well as its high medical efficacy. It is an elegant solution for all practices and clinics that want to offer their patients UV-B light therapy for treating common, yet difficult-to-handle skin diseases such as:

- Psoriasis, especially persistent lesions on localized areas such as elbows, knees and nails,
- Vitiligo,
- Atopic dermatitis.

The Small, Handy Excimer System for Intense Monochromatic UV-B Therapy

HANDY – PORTABLE – ECONOMICAL

All components of the system have been integrated into a compact, ergonomically balanced housing. The touchscreen control allows for simple, intuitive setting of all parameters. The treatment beam is activated through a simple trigger switch in the handle. A compact carrying case provides storage for the 308 system and all accessories. This makes flexible use at various locations possible.

If you compare the system to a traditional excimer laser, you will see the 308 provides the best value for the money. High mobility and low operating costs due to the maintenance-free technology allows the 308 to pay for itself quickly.

OPTIMAL MONOCHROMATIC WAVELENGTH

As with comparable laser systems, the 308 excimer system emits monochromatic, high-intensity light. 308 nm has proven itself as the optimal wavelength for UV-B light therapy. This avoids the undesirable side effects that accompany broadband treatments. At the same time, the treatment is as effective as that of a traditional excimer laser.

GENTLE SELECTIVE TREATMENT

The 308 treats with a low cumulative dose compared to full-body irradiation. Only the areas of the skin that have to be treated are irradiated. Spot sizes of up to 16 cm² make fast treatment of large areas possible. The treatment is completely pain-free and does not cause redness of the skin if applied with the correct dose. The automated MED test is another time-saving function: It allows you to quickly fine-tune the treatment.

Technical Specifications 308

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength</td>
<td>308 nm</td>
</tr>
<tr>
<td>Beam diameter</td>
<td>40 x 40 mm</td>
</tr>
<tr>
<td>Power density</td>
<td>50–6000 mJ/cm²</td>
</tr>
<tr>
<td>Power requirements</td>
<td>100–240 V, 50/60 Hz</td>
</tr>
<tr>
<td>Dimensions</td>
<td>26 x 24 x 27 cm</td>
</tr>
</tbody>
</table>

*Technical specifications are subject to change without notice. Intended use may differ from brochure.*
ARAMIS
Against Acne – For Clean, Fresh Skin

Although originally developed for remodeling the skin, ARAMIS has established itself worldwide as the best system for the treatment of acne and acne scars. The ARAMIS wavelength of 1,540 nm penetrates deeply into the skin and is absorbed by the water in the tissue. This allows treatment of a series of related indications:

> Active acne
> Acne scars and other scars
> Skin rejuvenation
> Reduction of wrinkles and pore size

The Highly Efficient Er:Glass Laser System with Contact Cooling for Gentle Acne Treatment

HIGHLY EFFECTIVE FOR EVERY SKIN TYPE

Heating the tissue destroys sebaceous glands and visibly reduces their production. Active acne is simply dried up – without side effects! At the same time, the warmth stimulates collagen neosynthesis. The skin is softly rejuvenated and skin regeneration is stimulated – it is not necessary to remove the upper skin layer. Scars and acne scars can be treated the same way.

Regardless of skin type and the degree of skin tanning, ARAMIS can be used on almost all affected skin areas year-round.

INTELLIGENT COOLING CONCEPT

ARAMIS uses highly efficient contact cooling to minimize any patient discomfort. No additional accessories are needed for the cooling. The skin is first cooled down to 5°C to desensitize the treatment area. The epidermis is protected and the patient has no downtime for recovery.

Technical Specifications ARAMIS

<table>
<thead>
<tr>
<th>Laser type</th>
<th>Er:Glass</th>
<th>Pulse width</th>
<th>3.3 ms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength</td>
<td>1,540 nm</td>
<td>Repetition rate</td>
<td>2 Hz</td>
</tr>
<tr>
<td>Beam diameter</td>
<td>5 mm</td>
<td>Power requirements</td>
<td>100–240 V, 10 A, 50/60 Hz</td>
</tr>
<tr>
<td>Energy density</td>
<td>8–126 J/cm²</td>
<td>Dimensions</td>
<td>44 x 33 x 36 cm</td>
</tr>
</tbody>
</table>

Technical specifications are subject to change without notice. Intended use may differ from the brochure.
ARION is the most powerful and fastest alexandrite laser system currently available. The ability to easily switch between the handpiece or scanner for hair removal and the handpiece for treating vascular lesions expands the possibilities of use. With a wavelength of 755 nm, ARION offers optimal prerequisites for:

- Hair removal of fine hairs (gold standard for skin types I–IV)
- Superficial blood vessels

The Fastest Alexandrite Laser System for Hair Removal

BURST MODE AND SCANNER

The well-established wavelength of 755 nm is especially effective for skin types I–IV. Compared to other systems, ARION will convince you through its innovative technology:

- The special burst mode guarantees highest efficacy and maximum protection of the skin.
- ARION splits up the selected dose into several short impulses that are fired onto the treatment area sequentially. The skin surface can cool down between the pulses and the skin temperature stays below the damage threshold. Side effects are practically eliminated without compromising efficacy. Air cooling is sufficient, it is not necessary to apply gel.
- For larger surface treatments, the scanner ensures the highest precision and maximum speed.

The scanner releases the optimized individual laser pulses next to each other at double the speed compared to hair removal with the handpiece (see the shot pattern in original size to the lower right).

OUTSTANDING TECHNICAL COMPONENTS

ARION has been equipped with user-friendly functions that support a fast working speed. The process of changing between scanner and handpiece is very simple and can be accomplished without problems during a treatment. The system automatically recognizes the applicator and limits the treatment parameters accordingly. This applies to the scanner as well as to the handpieces for hair removal and treatment of vascular lesions. An especially gentle treatment of darker skin types is possible with the long pulses of up to 140 ms. The 16 mm spot diameter ensures the necessary depth of penetration for treatment of deeper lying hairs.

**Technical Specifications ARION**

<table>
<thead>
<tr>
<th>Laser type</th>
<th>Alexandrite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength</td>
<td>755 nm</td>
</tr>
<tr>
<td>Beam diameter (EPI)</td>
<td>6 / 8 / 10 / 12 / 14 mm or 12 / 14 / 16 mm</td>
</tr>
<tr>
<td>Beam diameter (VAS)</td>
<td>3 / 4 / 5 mm</td>
</tr>
<tr>
<td>Scanner (optional)</td>
<td></td>
</tr>
<tr>
<td>Scanner-beam diameter</td>
<td>8 / 9 / 10 / 12 mm</td>
</tr>
</tbody>
</table>

Technical specifications are subject to change without notice and may differ from this brochure.
BURANE
Triple Mode – the Simple Choice

BURANE, which operates with a wavelength of 2,940 nm, achieves much more than a standard ablative erbium laser.

The XL version of BURANE includes the unique Triple Mode technology. This is a multi-stage functional principle that combines the classic ablative procedure with the patented coagulation mode for non-ablative applications. The results for the following applications position BURANE clearly in the top class of erbium lasers:

> Laser peeling
> Skin resurfacing
> Skin rejuvenation
> Smoothing of scars
> Removal of skin alterations
> Actinic and seborrhoic keratoses
> Xanthelasmas

The Extraordinary Er:YAG Laser with Triple Mode for Classic Aesthetic Applications

ABLATIVE AND THERMAL FUNCTIONS COMBINED

BURANE in ablation mode can treat skin resurfacing, epidermal and dermal skin changes. The additional coagulation mode (non-ablative) makes the BURANE XL unique: Skin rejuvenation, smoothing out of wrinkles, reduction of hypertrophic, hypotrophic and acne scars become possible. Especially interesting is the combination of the ablative and coagulation modes. During ablative applications, this ensures immediate hemostasis, which considerably reduces patient side effects. Additionally, deeper wrinkles and scars can be treated more effectively. With the FX4 and FX12 handpieces (next page), the BURANE XL can be easily upgraded to a fractional system.

EXCEPTIONAL ERGONOMY

When designing the BURANE, the goal was to provide both an attractive exterior and an ergonomic design that would enhance the speed of use and operation: BURANE’s especially long articulated arm allows a large range of use so that it is not necessary to interrupt the treatment to change positions. Additionally, the compact handpiece provides the operator with an unobstructed field of view so that the spot location is quickly seen. The user guidance on the display makes adjustments of spot sizes and treatment parameters simple.

ECONOMICAL AND DURABLE

The growing market for the applications listed and the expandability to a fractional system allow the BURANE to be amortized quickly. Additionally, the technically sophisticated components provide for a long lifetime.

Technical Specifications BURANE

<table>
<thead>
<tr>
<th>Laser type</th>
<th>Er:YAG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength</td>
<td>2,940 nm</td>
</tr>
<tr>
<td>Beam diameter</td>
<td>1.5 / 2.5 / 3 / 5 mm</td>
</tr>
<tr>
<td>Energy</td>
<td>up to 2 J</td>
</tr>
<tr>
<td>Repetition rate</td>
<td>up to 30 Hz</td>
</tr>
<tr>
<td>Pulse width</td>
<td>350 μs (4, 350 μs up to 260 ms)</td>
</tr>
<tr>
<td>Power requirements</td>
<td>230 V / 16 A, 50/60 Hz</td>
</tr>
<tr>
<td>Dimensions</td>
<td>84 x 35 x 102 cm</td>
</tr>
</tbody>
</table>

Technical specifications are subject to change without notice. Intended use may differ from this brochure.
FX4 & FX12 for BURANE XL

One Step to a Fractional System

A simple change of handpieces transforms the BURANE XL to a fractional laser system. All of BURANE XL’s treatment possibilities are kept and are extended by:

> Fractional laser peeling
> Fractional skin rejuvenation
> Fractional scar treatment
> Fractional treatment of melasma

The Handpieces for Fractional Treatment with BURANE XL

PATIENT-FRIENDLY GENTLE – ABLATION WITHOUT COAGULATION

The handpieces with spot sizes of 4 mm (FX4) and 12 mm (FX12) are sensible expansions of the BURANE XL. They transform the BURANE XL to a fractional system. Thanks to the almost complete elimination of the necrosis zone and the optimal density of the ablation channels, the healing process is noticeably shortened and painful side effects are reduced to a minimum.

> Gentle, fast healing
> Treatment without local anesthesia
> No painful coagulation channels
> Short downtime for the patient

SPECIFIC CONTROL OF THE ABLATION CHANNELS

The depth of the ablation channels depends on the energy settings. This allows successful treatment of both superficial and deeper lying skin layers (see the histology to the left). The shot profile below clearly shows the especially fine grid pattern of the FX4 and FX12.

SHOT PROFILE (ORIGINAL SIZE)

HYGIENIC TREATMENT TIPS

Disposable treatment tips are available for the handpieces. It is thus not necessary to sterilize the parts that come in contact with the patient.

Technical Specifications FX4 / FX12

<table>
<thead>
<tr>
<th>Specification</th>
<th>FX4</th>
<th>FX12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Treated area</td>
<td>4 mm (circle)</td>
<td>12 x 12 mm (square)</td>
</tr>
<tr>
<td>Corresponds to</td>
<td>ca. 8%</td>
<td>ca. 5%</td>
</tr>
<tr>
<td>Beam diameter</td>
<td>150 μm</td>
<td>150 μm</td>
</tr>
<tr>
<td>Spots per cm²</td>
<td>460 points/cm²</td>
<td>270 points/cm²</td>
</tr>
</tbody>
</table>

Technical specifications are subject to change without notice. Intended use may differ from this brochure.
EXELO²
Your Fractional Way to Beauty

CO₂ technology with a wavelength of 10,600 nm has proven itself over the years. EXELO² combines a powerful laser with a scanner for very fast fractional treatments. Even larger areas are no longer time consuming.

EXELO² achieves very good results for the following applications:

> Smoothing out wrinkles
> Removal of scars
> Superficial skin lesions
> Skin rejuvenation
> Skin resurfacing
> Melasma
> Surgical indications

The Proven CO₂ Laser System for Fractional Treatment of Wrinkles and Scars

PROVEN TECHNOLOGICAL BASIS

The original use of CO₂ medical and aesthetic lasers was for surgical incisions. With its 30-W output power and its optional handpiece, the EXELO² is particularly well adapted to use as a laser scalpel.

FRACTIONAL CO₂ USE

EXELO² is by default equipped with a scanner for fractional CO₂ treatments. The corresponding applicator creates fine channels with a diameter under 250 μm. The thermal stimulation of the collagen neosynthesis leads to a general visible rejuvenation and renewal of the skin. The microscopically small ablation channels promise high patient satisfaction since the patient’s downtime is minimal.

THE MAXIMUM INDIVIDUALITY

The size of the treatment area (up to 4 cm²) can be defined directly on the scanner handpiece. This saves you a lot of time when treating areas of different size, for example during large-area treatments of multiple wrinkles and scars over an entire face.

The density of the channels ranges from 1.25% to 25% of the treated area. Because of the highly individually settable parameters and the fractional mode, even darker skin types can be treated with the wavelength of 10,600 nm without any problems.

The pulse duration ranges from 2 ms to 100 ms. The ablation effect prevails by short pulses and high power; at long pulses and lower energy, the thermal effect is more noticeable. The treatment can thereby be optimally adjusted to the patient and the treated area.

Technical Specifications  EXELO²

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser type</td>
<td>CO₂</td>
</tr>
<tr>
<td>Wavelength</td>
<td>10,600 nm</td>
</tr>
<tr>
<td>Operating Mode</td>
<td>Fractional/continuous wave (cw)</td>
</tr>
<tr>
<td>Energy density</td>
<td>25–400 pts/cm²</td>
</tr>
<tr>
<td>Pulse width</td>
<td>2–100 ms + cw</td>
</tr>
<tr>
<td>Beam diameter</td>
<td>&lt; 250 μm</td>
</tr>
<tr>
<td>Treated area</td>
<td>&lt; 1.25% up to 25%</td>
</tr>
<tr>
<td>Output power</td>
<td>30 W</td>
</tr>
<tr>
<td>Power requirements</td>
<td>100–240 V, 10 A, 50/60 Hz</td>
</tr>
<tr>
<td>Dimensions</td>
<td>70 x 34 x 41 cm</td>
</tr>
</tbody>
</table>

Technical specifications are subject to change without notice. Intended use may differ from this brochure.
**IDAS**

Green Light for Mobile Laser Power

IDAS is a powerful 8-W laser system with a wavelength of 532 nm. It is the only system in the world with the official allowance for transport. This makes the flexible use at many locations possible. The range of use of the attractive LBO laser system covers all indications of a comparable KTP laser. Additionally, it is exceptionally suited for smaller surgical applications.

**VASCULAR INDICATIONS**
- Telangiectasia
- Rosacea
- Hemangioma
- Spider angioma
- Port wine stains
- Varicose veins (endoluminal therapy!)

**PIGMENTED SKIN ALTERATIONS**
- Café-au-lait spots
- Lentigines solares

**SURGICAL INDICATIONS:**
- ENT surgery
- Removal of warts

---

The Powerful, Transportable Green Laser System for Vascular Indications and Pigmented Skin Alterations

**SMALL – ROBUST – FLEXIBLE**

With 8 watts, IDAS is one of the most powerful 532 nm medical systems available. High power and short pulses ensure an effective treatment with maximum protection of the tissue. The superior stability of the IDAS components results in higher reliability and longer device life compared to KTP lasers. This robust technology is the reason IDAS has the worldwide unique transportation allowance. Nothing stands in the way of the profitable use by various doctors or clinics.

**OPTIMAL FUNCTIONALITY**

The innovative beam source and the practical system design have been especially developed for the applications listed above. The spot size of 0.2 to 2 mm can be set directly on the handpiece without the necessity to change fibers. Surgical applications in ENT are additionally possible, since IDAS has been designed as a continuous wave and pulsed laser system. Even endoluminal therapy of varicose veins can be performed through the simple change of a sterile fiber (optionally available).

---

**Technical Specifications IDAS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser type</td>
<td>Nd:YVO4, frequency-doubled (LBO)</td>
</tr>
<tr>
<td>Wavelength</td>
<td>532 nm</td>
</tr>
<tr>
<td>Beam diameter</td>
<td>0.2 / 0.5 / 0.7 / 1 / 2 mm</td>
</tr>
<tr>
<td>Output power</td>
<td>8 W</td>
</tr>
<tr>
<td>Repetition rate</td>
<td>0.5–10 Hz</td>
</tr>
<tr>
<td>Pulse width</td>
<td>2–500 ms, cw</td>
</tr>
<tr>
<td>Power requirements</td>
<td>115–230 V, 10 A, 50/60 Hz</td>
</tr>
<tr>
<td>Dimensions</td>
<td>44 x 41 x 20 cm</td>
</tr>
</tbody>
</table>

Technical specifications are subject to change without notice. Intended use may differ from this brochure.
LEDA gives you the choice and provides you the flexibility for treating a wide range of indications from one platform. The LEDA base unit provides the infrastructure (power, cooling, user interface) for a wide range of applicators, each of which offers treatments for specific indications. Your treatment portfolio is up to you: you can tailor the LEDA system to exactly fit your needs.

The following applicators are currently available:

- Hair removal
- Photodynamic therapy (PDT)
- Acne
- Skin rejuvenation
- Vitiligo, psoriasis and atopic dermatitis

The Modular, Multi-Technological Platform for Medical and Aesthetic Treatments

ONE PLATFORM FOR A WIDE RANGE OF APPLICATIONS

The LEDA platform consists of the base unit and a wide range of applicators. The base unit provides the necessary infrastructure for powering, cooling and operating the LEDA applicators. Each applicator has its own treatment spectrum and has been designed to provide optimal results for these treatments. As every indication is tied to a specific applicator, you only have to purchase the applicators you need to provide the treatment range you want. Because one base unit can be used with any of the numerous applicators, LEDA provides an especially economical basis for each offered treatment method. The device cart not only provides a space-saving option for storing the system, it also allows the platform to be flexibly used in different treatment rooms.

INNOVATIVELY COMBINED INTELLIGENT TECHNOLOGY

Switching applicators is fast and easy. The user-friendly navigation reacts quickly: it automatically recognizes the attached applicator, displays the corresponding menu and suggests appropriate treatment parameters.

The LEDA platform is being continually further developed and is the center point of our research. The applicators for hair removal with their innovative scan procedure are a novelty in the area of laser hair removal and achieve the highest work speed. The high-power LEDs used are the most powerful on the market. The technological basis provided by the LEDA base unit keeps the applicators efficient and compact.

The available applicators are introduced on the following pages.

Technical Specifications LEDA (Base Unit)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power requirements</td>
<td>115 - 230 V, 10 A</td>
</tr>
<tr>
<td>Dimensions (L x W x H)</td>
<td>45 x 41 x 24 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>23 kg</td>
</tr>
</tbody>
</table>

Technical specifications are subject to change without notice. Intended use may differ from this brochure.
LEDAR EP1
Hair Removal at the Speed of Light

The LEDA EP1 sets new standards for treatment speed and thus profitability. This practical diode laser system is faster than conventional light-based hair removal systems, while being just as effective.

The used wavelengths are especially advantageous for the patient:
> EP 808 with the proven wavelength of diode lasers
> EP 980 with a new wavelength of 980 nm for treatment of dark skin types

The Alternative to Standard Hair Removal Systems

EXCEPTIONALLY FAST AND ECONOMICAL
LEDA EP1 reaches a unique working speed compared to all other hair removal systems. It takes less than 15 min. to epilate an entire back. The fast treatment method makes high treatment volumes possible. The use of additional consumables such as gel or gas is unnecessary and the lifetime of the light source is much, much higher than those of intense pulsed light systems (IPL).

EFFICIENT AND GENTLE
The unique linear scan method is exceptionally efficient for both thick and thin hairs, hairs directly under the skin surface and deeper lying hairs. The large rectangular scan area efficiently covers the treatment area. Dark skin types can be treated with the new wavelength of 980 nm (LEDA EP1 980). LEDA EP1 980 is the only product on the market that uses this wavelength.

The patients experience less pain during the treatments due to the shortened treatment time. A supplemental air cooling attachment can be mounted on the handpiece to additionally increase the patient’s comfort (no assistant required).

EASY HANDLING
The system supports the user: Easy-to-judge criteria (such as hair color, size and density) can be selected and the system suggests the appropriate treatment parameters. Of course it is also possible to manually enter the parameters. The superior innovations of the system make it ideal for the high volume use in practices or clinics.

Technical Specifications LEDA EP1

<table>
<thead>
<tr>
<th>EP 808</th>
<th>EP 980</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser type</td>
<td>Diode</td>
</tr>
<tr>
<td>Wavelength</td>
<td>808 nm</td>
</tr>
<tr>
<td>Spot size</td>
<td>50 µm x 12 mm / 12 x 12 mm</td>
</tr>
<tr>
<td>Pulse width (calculated)</td>
<td>6–40 ms</td>
</tr>
<tr>
<td>Max. power density</td>
<td>60 J/cm²</td>
</tr>
<tr>
<td>Skin cooling</td>
<td>optional cold air</td>
</tr>
</tbody>
</table>

Technical specifications are subject to change without notice (modified in any other case).
Light therapy is steadily increasing in importance. For this reason, Quantel Derma developed high-power LED applicators for LEDA. These applicators provide all the advantages of LEDs, while using the LEDA base unit. LEDA is the only system in the world that uses water cooling for LEDs. Water cooling has the advantage that a much higher light intensity is possible than with air-cooled LEDs. Additionally, the water-cooled LEDs have an extremely long lifetime. A number of hand-held applicators “HP” (treatment area of 5.5 x 3 cm) for definable areas and treatment screens “SCR” (treatment area of 16 x 10 cm) for larger areas are available.

The manifold fields of application are all based on narrow-band wavelengths of LEDs:

- HP/SCR 635 red for photodynamic therapy (PDT) and the treatment of wounds
- HP/SCR 585 yellow for gentle skin rejuvenation and acne therapy
- HP 415 blue for PDT of the skin surface and for acne treatments
- HP 370 uva for UV-A therapy of vitiligo, psoriasis and atopic dermatitis

With LEDs to New Dimensions

PHOTODYNAMIC THERAPY (PDT) AND WOUND HEALING WITH HIGH PATIENT COMFORT

The wavelength 635 nm (HP 635 red/SCR 635 red) is used for PDT for the treatment of actinic keratosis and basal cell carcinoma. The intense red light can additionally be used for supportive treatment in wound healing processes.

The improved patient comfort has been proven in a clinical study. Compared to standard light sources, the system has proven itself through shortened treatments with increased tolerance due to the shorter duration of the pain level. The same clinical and cosmetic results were achieved.

GENTLE SKIN REJUVENATION AND ACNE THERAPY WITH UP TO 300x LIGHT INTENSITY

The intensity and efficacy are well over standard 585 nm systems without water cooling:
- Factor 70 for the screen SCR 585 yellow and factor 300 for the handpiece HP 585 yellow. An efficient, differentiated use for skin rejuvenation or acne therapy is possible in both continuous and pulsing mode.

PDT OF THE SKIN SURFACE AND ACNE THERAPY WITH BLUE LIGHT

The 415 nm radiation of the HP 415 blue is absorbed very well by the protoporphyrine. This results in a distinct photochemical reaction at low energy density. Defined areas can be treated effectively and fast. The HP 415 blue achieves a 10x higher intensity than standard LED systems.

VITILIGO, PSORIASIS AND ATOPIC DERMATITIS WITH NARROW-BAND UVA THERAPY

HP 370 uva is the only LED system available with narrow-band UVA light. This combines the advantages of the LEDA platform such as efficiency, profitability and user friendliness with the advantages of intense narrow-band UVA light therapy.

Technical Specifications LEDA HP / SCR

<table>
<thead>
<tr>
<th>Beam source</th>
<th>SCR 635 red</th>
<th>SCR 585 yellow</th>
<th>HP 415 blue</th>
<th>HP 370 uva</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength</td>
<td>635 nm</td>
<td>585 nm</td>
<td>415 nm</td>
<td>370 nm</td>
</tr>
<tr>
<td>Spot size</td>
<td>160 x 100 mm</td>
<td>160 x 100 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Light intensity</td>
<td>up to 120 mW/cm²</td>
<td>up to 10 mW/cm²</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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MYDON sets the standards for efficacy by uniquely combining an integrated cooling system, a pain-reducing burst mode and the established 1,064 nm wavelength. With the long-pulsed Nd:YAG laser system MYDON, doctors and clinics can offer their patients a modern and gentle treatment option for the following indications:

- Removal of vascular lesions (for example, spider veins)
- Gentle improvement of the skin texture (skin rejuvenation)
- Varicose veins (endoluminal therapy!)
- Effective laser hair removal for all skin types (optional function)

MYDON Perfect for Spider Veins

The Unique Nd:YAG Laser System for Treatment of Vascular Skin Alterations

INTEGRATED COOLING BEFORE, DURING AND AFTER THE TREATMENT

The integrated cooling system efficiently desensitizes the treatment area before, during and after the application of the treatment beam while protecting the epidermis.

PAIN-REDUCING BURST MODE

The highest possible efficacy with the maximum protection of the skin surface is achieved with the special burst mode. The burst mode separates the selected dose into a number of short pulses, resulting in enhanced skin cooling between pulses. This allows the use of the high energy density required for treating vessels of up to 5 mm.

INDEPENDENT OF COLOR AND DEPTH

1,064 nm light penetrates deeply into the skin, where it is absorbed by pigments or hemoglobin. The energy that is necessary to permanently close superficial and deeper lying vessels is directly applied. All vessels absorb the wavelength equally. Besides indications such as hemangioma, telangiectasia, etc., MYDON can also be used to improve the skin texture because it stimulates collagen neosynthesis. An optional handpiece for hair removal of all skin types (I–VI) is available. The special coating of the optics for photon recycling dramatically increases the efficiency.

EASY TO CHANGE TREATMENTS

Depending on the indication, different handpiece inserts and spot sizes are available. It is easy to change the inserts. When you switch between inserts of treatment modes the system automatically limits the parameters. You can easily remove the window in the handpiece to ensure an optimal view of very fine vessels. Even endoluminal laser therapy of varicose veins is possible by connecting a sterile fiber (optionally available).

Technical Specifications MYDON

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser type</td>
<td>Nd:YAG</td>
</tr>
<tr>
<td>Wavelength</td>
<td>1,064 nm</td>
</tr>
<tr>
<td>Beam diameter (VAS)</td>
<td>1.5 / 3 / 5 mm (optional)</td>
</tr>
<tr>
<td>Energy density</td>
<td>10 – 450 J/cm²</td>
</tr>
<tr>
<td>Pulse width</td>
<td>0.5–90 ms</td>
</tr>
<tr>
<td>Repetition rate</td>
<td>1–10 Hz</td>
</tr>
<tr>
<td>Power requirements</td>
<td>230 V, 16 A, 50/60 Hz</td>
</tr>
<tr>
<td>Dimensions (L x W x H)</td>
<td>84 x 35 x 102 cm</td>
</tr>
</tbody>
</table>

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The Q-Switched Ruby Laser for Gentle Non-Invasive Removal of Tattoos and Natural Pigmentation

**FAST, RELIABLE AND GENTLE REMOVAL**

SINON combines the advantages of the 694 nm wavelength with a high working speed and a broad range of applications. The system has been uncompromisingly optimized to utilize the wavelength and its maximum advantage. All types of tattoos (professional, amateur, permanent make-up) and undesired pigments are destroyed reliably, without damage to the surrounding skin. Only a few sessions are required for optimal results. The extraordinarily short pulse width of only 20 ns allows the system to treat effectively with low fluence values.

**INTELLIGENT SPOT SIZE MANAGEMENT**

The spot size is easily selected by changing the spacer. This allows you to adjust to the individual geometry of the treatment zone and protect non-affected areas. The optional 3-mm Soft Spot enables precise and gentle removal of small pigmented lesions with low fluence values. Additionally, the spot sizes of 3, 4, 5 and 6 mm allow for optimal coverage of different treatment zones. The special oval spot shape can help to reduce unnecessary overlapping and protects the patient’s skin.

The Q-switched ruby laser SINON has the shortest pulses of all dermatological ruby lasers. The established wavelength of 694 nm and its short high-peak-power pulses make SINON a gentle treatment option for the removal of tattoos of different colors and pigmented skin changes.

- Tattoos and traumatic tattoos
- Café-au-lait spots
- Benign lentigo
- Nevus of Ota, etc.

**Technical Specifications SINON**

<table>
<thead>
<tr>
<th>Laser type</th>
<th>Ruby</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength</td>
<td>694 nm</td>
</tr>
<tr>
<td>Operating mode</td>
<td>q-switched</td>
</tr>
<tr>
<td>Beam diameter</td>
<td>3 / 4 / 5 / 6 mm</td>
</tr>
<tr>
<td>Energy density</td>
<td>up to 14 J/cm²</td>
</tr>
</tbody>
</table>

| Pulse width | 20 ns |
| Repetition rate | 0.5 – 2 Hz |
| Power requirements | 230 V, 16 A, 50/60 Hz |
| Dimensions | 84 x 35 x 102 cm |

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