

MULTILINE AESTHETICS

MULTI-APPLICATION LASER PLATFORM





Manipulator

Laser holder system compensates the laser head weight and provides with accurate positioning during long duration procedures

Accessories

A platform for keeping replaceable laser heads, modules and nozzles

Docking station

Laser head connection and activation takes less than a minute due to “one-click” docking system.

MULTILINE Laser Heads

5 solid-state lasers, 7 wavelengths and 50+ generation preset modes for effective and highly profitable aesthetic practice

Nd:YAP/Q-sw + KTP A two-wave neodymium laser with Q-switching (1079nm, 540 nm)

Nd:YAP A three-wave neodymium contact laser scalpel (1079nm, 1340nm, 1440nm)

Er:YAG + SMA An erbium laser with a supplementary SMA module (2936nm)

ALEX An alexandrite laser with Q-switching (755nm)

RUBY A ruby laser with Q-switching (694 nm)



PROFITABLE

MULTILINE™ procedures do not require anesthesia and have no restrictions on sun exposure before and after treatment due to the ultra-selective methods. Working all year round with no seasonal downtime and no costs for additional consumables will quickly recoup your equipment costs and generate sustainable profit.



INNOVATIVE

Unique methods of ultra-selective photodestruction and stimulation of biological tissue repair, which are implemented in the MULTILINE™ unit, are protected by 17 patents. The clinical efficiency and safety of our techniques have been confirmed by leading experts in laser medicine in Europe and the USA.



SCALABLE

MULTILINE™ platform modular concept provides options to select only those lasers which meet the needs of the clinics. As laser practice extends, we will provide you with the additional lasers for the MULTILINE™ unit and required physicians training.

Ultra-selective methods

The patented technology for generating an adjustable train of nanosecond pulses for ultra-selective action on the main biological chromophores.

1

Transdermal coagulation of enlarged blood vessels

An ultra-selective two-wave transdermal coagulation of enlarged blood vessels method enables effective treatment of rosacea, port wine stains, stellate hemangiomas, veins in the legs without injury to surrounding tissues. Due to the two-wave technology, the effect on natural capillaries is excluded. As a result, the surrounding tissue does not overheat, it preserves the natural pigmentation of the skin and eliminates the risk of scarring. The procedure is easily tolerated and does not require anesthesia. The method is patented.

2

Treatment of focal hyperpigmentation

Alexandrite and ruby lasers are widely used for the selective photodestruction of focal hyperpigmentation due to the fact that these wavelengths radiation is well absorbed by melanin. We have improved this treatment method by using an ultrashort pulse train to combine photo-thermal and photomechanical effects on melanin-containing cells. The new point coagulation method reduces the overall mechanical and thermal effect on the skin. Thus, when treating hyperpigmentation with MULTILINE™ lasers, there is no risk of scarring and changes in the natural pigmentation of the skin. The method is patented.

3

Permanent removal of unwanted hair

Modern hair removal methods, in addition to low efficiency, have a number of risks and limitations such as a ban on sun exposure before and after the procedure. The risk of complications is directly related to the contrast of the patient's hair and skin color. Laser hair removal is also considered ineffective for diseases of hirsutism and hypertrichosis. The hair removal method developed and patented by us is completely devoid of these disadvantages. The unique mode of generating a train of nanosecond pulses allows you to destroy the hair follicle effectively, regardless of the concentration of melanin in the skin. Low thermal stress on the skin excludes the formation of scars after the procedure. This method of hair removal is effectively used for patients with diseases that declare themselves by excessive hair growth on any part of the body.



No anesthesia - reduce procedure time and material costs.
No seasonal restrictions - work all year round with no downtime.

RecoSMA™ revolution

A unique technique for stimulating biological tissue repair for age-related skin atrophy of various localization treatment and removal of scars.

RecoSMA™ is an original technique for biological tissue recovery based on the reparative regeneration mechanism. The spatially modulated erbium laser radiation generates austic waves that create mechanical micro-damage to cellular structures at a depth up to 6 millimeters. The regeneration process affects soft tissues, vascular and lymphatic systems. The RecoSMA™ procedure is physiological, safe, does not cause irreversible changes in tissues and allows you to restore the skin on any part of the body.

The procedure is well tolerated and does not require anesthesia. Due to the non-thermal nature of the action, there is no risk of burns and scarring. The treated surface does not need specific care, since an open wound surface is not created. This facilitates quick and comfortable recovery.

After the first RecoSMA™ session, the skin becomes denser, more elastic, its color and texture are harmonised, age-related hyperpigmentation and rosacea are reduced. The effect of the procedure accumulates over 3 months. It is successfully used for the treatment of age-related skin atrophy of various localization, hyper-, normo- and atrophic scars, hyperkeratosis.

The rehabilitation period is
4-6 days



No anesthesia required
No seasonal restrictions
The number of procedures is unlimited
Short recovery period

Operating mode

Er:YAG
- ablation mode, layer-by-layer tissue evaporation with a minimum coagulation depth and excellent visual control of the amount of tissue removed.

Er:YAG + SMA module
- repair stimulation mode
RecoSMA™

Technical specifications

Wavelength	2936 nm
Pulse energy	0,1 - 2 J
Pulse width	0,1 - 0,5 mc
Frequency	10 Hz
Spot size	3 - 6 mm

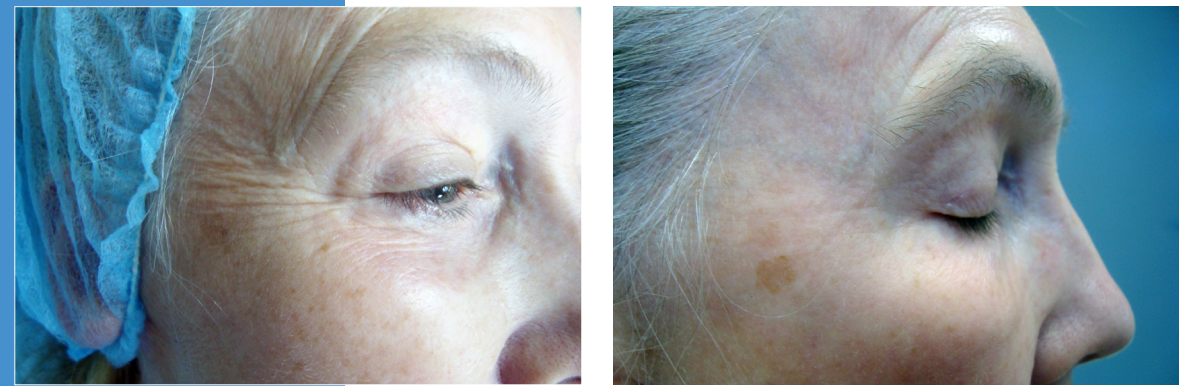
Er:YAG +SMA

Erbium laser head with additional module of spatial modulated ablation

Indications for use

In ablation mode
Removal of benign neoplasms (warts, papillomas, dermatofibromas, etc.)
Scar reduction
Deep wrinkle resurfacing
Ablative treatment of focal hyperpigmentation (freckles, lentigines, coffee stains)

In the repair stimulation mode
Treatment of age-related skin atrophy of various localization
Treatment of hyper-, hypo- and normotrophic scars (including post-acne, striae)
Treatment of keloid scars
Treatment of hyperkeratosis



Treatment of age-related skin atrophy Er: YAG + SMA, the result after one procedure



Removal of neoplasms using Er: YAG, result after one procedure

Operating mode

Nd:YAP/Q-sw + KTP
- ultra-selective mode of coagulation of enlarged blood vessels.

Nd:YAP/Q-sw
- ultra-selective photodestruction mode at a wavelength of 1079 nm

Technical specifications

Wavelength	1079 / 540nm
Pulse energy	10 / 5 J
Pulse sequence duration	up to 5 ms
Frequency	5 Hz
Spot size	4 -7 /5 mm

Nd:YAP/Q-sw +KTP

Q-switched neodymium laser with optional frequency doubling module

Indications for use

Using Nd: YAP / Q-sw
Permanent removal of unwanted hair for skin phototypes I - VI.
Photodestruction of tattoo dye (permanent makeup, professional and amateur tattoos) *

Using Nd: YAP / Q-sw + KTP module
Transdermal coagulation of enlarged blood vessels (rosacea, spider veins, port wine stains, etc.)
Keloid scar treatment
Photodestruction of tattoo dye (permanent makeup, professional and amateur tattoos) *.

* The choice of laser head for tattoo removal depends on the dye material characteristics and its depth in the skin. For the correct selection of the wavelength, a test session is recommended.



Coagulation of enlarged blood vessels, the result after five tretments



Laser hair removal, result after three tretments

Operating mode

ALEX / RUBY
- ultra-selective mode of melanin grains and pigment impregnations photodestruction.

Technical specifications

Active medium	ALEX / RUBY
Wavelength	755 nm / 694 nm
Pulse energy	2 J / 2 J
Pulse sequence duration	1,5 ms / 3 ms
Frequency	5 Hz / 10 Hz
Spot size	3 - 5 mm / 2,5 - 5 mm

ALEX / RUBY

Q-switched alexandrite and ruby laser heads

Indications for use

ALEX
Treatment of dermal focal hyperpigmentation (freckles, lentigo, coffee spots).
Photodestruction of tattoo dye (permanent makeup, professional and amateur tattoos). *

RUBY
Treatment of epidermal focal hyperpigmentation (freckles, lentigo, coffee spots).
Photodestruction of tattoo dye (permanent makeup, professional and amateur tattoos). *

* The choice of laser head for tattoo removal depends on the dye material characteristics and its depth in the skin. For the correct selection of the wavelength, a test session is recommended.



Hyperpigmentation treatment with RUBY laser, result after three procedures



Hyperpigmentation treatment with ALEX laser, result after one procedure

Operating mode

Nd:YAP
- tissue excision mode with adjustable coagulation depth and hemostasis.

Technical specifications

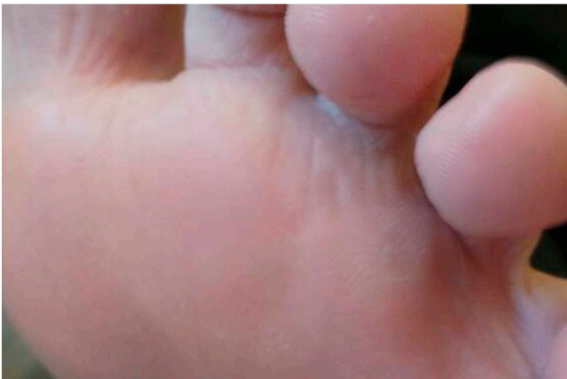
Wavelength	1079 nm / 1340 nm / 1440 nm
Power	70 W / 40 W / 15 W
Pulse width	1 ms
Frequency	100 Hz
Fiber diameter	500 -600 μm

Nd:YAP

Neodymium three-wave contact laser scalpel

Indications for use

Removal of benign neoplasms (warts, papillomas, dermatofibromas, etc.).
Ingrown toenail treatment.
Scar correction.



Plantar wart treatment, result after one procedure



Neoplasm removal, result after one procedure

Welcome!

There are six simple steps for our future cooperation:



Our clients

We have been manufacturing medical lasers for over 25 years. Today our equipment operates in small private clinics and public hospitals in France, Belgium, Luxembourg, Switzerland, India, Jordan, Vietnam, Kuwait, Russia, Belarus, Ukraine and the UAE.

We are grateful to our clients for feedback and recommendations that help improve our products and services, as well as for participation in joint research projects to develop and promote laser treatment methods.



Dr. Mario A. Trelles
Instituto Medico Vilafortuny (Cambrils, Spain)

MD, PhD, a plastic and reconstructive surgeon, the President of the European Society for Laser Aesthetic Surgery (ESLAS) and the European Laser Association (ELA).

“One of the most impressive laser devices for me is the INLINE platform which combines the capabilities of several technologies with a whole range of lasers. However, I was particularly impressed by the RecoSMA™ technology, which makes it unique throughout the world. Tens of thousands of radiation sources are concentrated on an extremely small scale, which allows very delicate skin treatments in order to rejuvenate and stimulate tissue growth. Laser procedures safety and fast patient recovery time are very important criteria for me - these lasers meet my criteria”.



Pr. Jean-Paul Meningaud
Henri-Mondor University Hospital (Paris, France)

MD, PhD is Professor, Head of the Department of Plastic and maxillofacial Surgery Department at the Henri Mondor hospital.

“My main professional interest and great experience is concentrated in the field of reconstructive surgery. Some ideas often come to us from aesthetic medicine and the RecoSMA™ technology was just such a discovery for me. I can say that first of all I experienced this procedure myself, was impressed with the result and received a lot of compliments about my appearance. We have initiated a large research project in the field of regenerative medicine together with INLINE and have already published some of the results obtained, in particular, it concerns the treatment of scars.”



LINLINE MEDICAL SYSTEMS SIA

Krasta iela 105A,
LV-1019 Rīga,
Latvia

mail@linline-ms.com
+371 22 45 3227
www.linline-ms.com

AM-001-2021 Rev.1

