

The flexible dermatological tool-box with Intense Pulsed Light,
Laser and Q-Switched Laser technology

LUMINA



experts in aesthetic technology

Lynton

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LUMINA

For a comprehensive answer to your current and future aesthetic treatment needs, look no further than LUMINA. With a versatile combination of Intense Pulsed Light, long pulsed and Q-switched Laser, LUMINA can adapt to emerging applications offering a flexible and long-term solution for start-up clinics to expert practitioners.

INTENSE PULSED LIGHT

Select from three options:

650 - The 650 handpiece is for permanent hair reduction for skin types 1 to 5 and skin rejuvenation through neo-collagenesis.

650Advance - The 650 Advance handpiece is the latest technology for faster permanent hair reduction for lighter, finer hairs in skin types 1 to 3.

585Plus - The 585 Plus handpiece is for removal of skin blemishes, superficial benign pigmentation, superficial vascular lesions, active acne and skin rejuvenation.

LONG PULSED ND:YAG LASER

LUMINA can also be selected with long pulsed Nd:YAG Laser at 1064nm. Infrared light at 1064nm is ideal for permanent hair reduction for all skin types, including skin type 6, and treatment for deep rooted hairs. Nd:YAG laser is also used for removal of deeper veins over the entire body.

The long pulsed Nd:YAG Laser can either be an internal accessory or can be added later in the form of a detachable handpiece making it an easily affordable upgrade option.

ACTIVE Q-SWITCHED LASER

Select active Q-Switched Nd:YAG Laser (1064nm & 532nm) for removal of multi-coloured professional, amateur or traumatic tattoos and most types of benign pigmentation. Active Q-Switched laser is acknowledged by dermatologists as being

the Gold Standard in tattoo removal. 1064nm is ideal for treatments of blue/black ink pigments and dermal pigmentation. 532nm is ideal for treatment of red/orange ink pigments and superficial pigmentation.

UNIQUE INTERCHANGEABLE LIGHT GUIDE (ILG™) LIGHT DELIVERY

ILG gives you flexibility in the treatment spot size in Intense Pulsed Light treatments. The "snap-in" design allows for quick light guide replacement and easy cleaning between clients. ILG also allows for easier positioning in contoured areas, and, most importantly, prevents unnecessary "bulk heating" in healthy untargeted tissue. The ability to select a light guide to match small target areas reduces the energy delivered to tissues by up to 80%, protecting the surrounding skin and reducing the need for additional cooling.

EFFECTIVE AND SAFE TREATMENTS AT YOUR FINGERTIPS

LUMINA software has pre-set parameters for novice users whilst fluence, pulse delay and the number of pulses can be optimised by experienced operators. LUMINA Intense Pulsed Light handpieces are water-cooled to remove infra-red radiation (IR) and prevent uncomfortable and damaging heat generation. Intelligent detection prevents incorrect application selection for any handpiece and the interlock prevents unsafe use.

ENGINEERED TO LAST A LIFETIME

Our unique configurable platform allows any combination of applications:

LUMINA	Intense Pulsed Light only
LUMINA LP	Intense Pulsed Light and long pulsed Nd:YAG Laser
LUMINA Q	Intense Pulsed Light, long pulsed Nd:YAG Laser and Q-Switched Nd:YAG Laser



Upgrades can be added at any time, making **LUMINA** a flexible and long-term multi-purpose solution that is manufactured by Lynton in the UK under a QS certified to ISO 9001 and ISO 13485

DESIGNED BY DOCTORS

Interchangeable Light Guide (ILG) system for easy cleaning and accurate targeting

Large spot sizes and fast auto-fire facility to reduce treatment times

Fast and easy software control via a touch screen interface

Integral printout for an instant patient treatment summary

Optional patient database which automatically records patient data and treatment parameters with digital images for fast, easy record keeping and results tracking.

ACNE

The 585Plus Intense Pulsed Light handpiece is used to treat active acne, reducing the number and severity of lesions and lessening the inflammation and occurrence of break-outs.

HAIR REMOVAL

For hair removal choose from the 650 or 650Advance Intense Pulsed Light handpieces, and for darker skins add long pulsed Nd:YAG Laser (1064nm).

PIGMENTED LESIONS

Sun-induced pigmentation marks such as age spots and sun spots can effectively be removed with the 585Plus Intense Pulsed Light handpiece. For larger areas of pigmentation we recommend treatment with the **LUMINA** active Q-switched Laser at 1064nm for dermal pigmentation and 532nm for epidermal pigmentation.

SKIN REJUVENATION

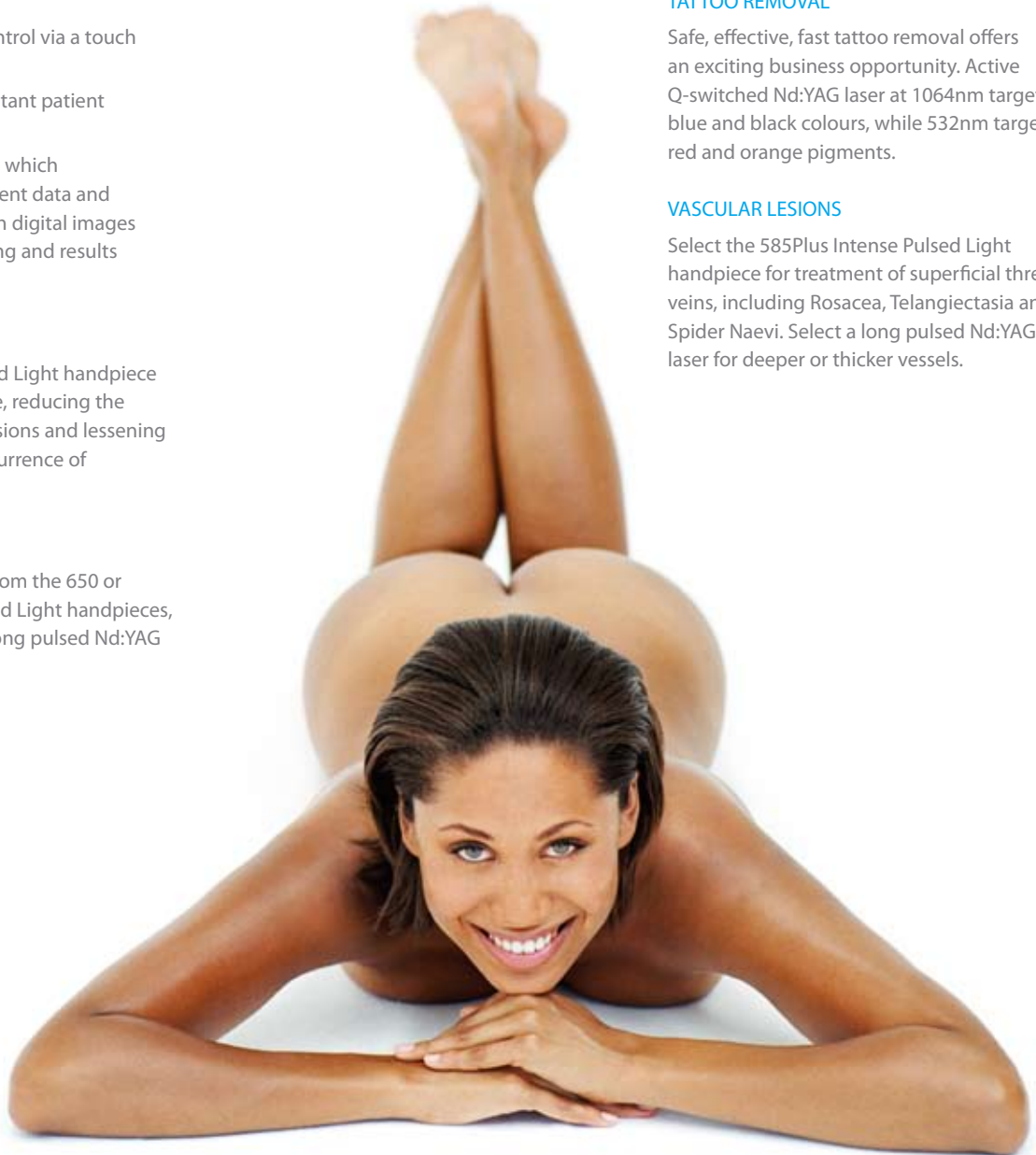
Select from the 650 Intense Pulsed Light handpiece for neo-collagenesis rejuvenation, the 585Plus Intense Pulsed Light handpiece for vascular and pigment based rejuvenation, or a long pulsed Nd:YAG Laser for deeper skin activation. All **LUMINA** photo-rejuvenation techniques give tightened skin with improved tone.

TATTOO REMOVAL

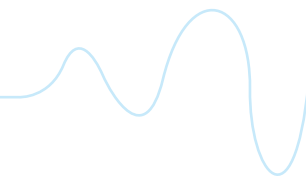
Safe, effective, fast tattoo removal offers an exciting business opportunity. Active Q-switched Nd:YAG laser at 1064nm targets blue and black colours, while 532nm targets red and orange pigments.

VASCULAR LESIONS

Select the 585Plus Intense Pulsed Light handpiece for treatment of superficial thread veins, including Rosacea, Telangiectasia and Spider Naevi. Select a long pulsed Nd:YAG laser for deeper or thicker vessels.



For more information and to book a demonstration, go to www.lynton.co.uk or contact Lynton on 0845 612 1545



BEFORE AND AFTER CASE STUDIES

Fig. 1 Active acne treatment with the 585 handpiece



BEFORE AFTER
Courtesy of Laser Skin Solutions, Bournemouth

Fig. 4 Thread vein treatment with the 585 handpiece



BEFORE AFTER
Courtesy of Laser Skin Solutions, Bournemouth

Fig. 7 Port Wine Stain treatment with the 585 handpiece



BEFORE AFTER 4 TREATMENTS
Courtesy of the Gresford Skincare Centre, Wrexham

Fig. 2 Permanent hair reduction with the 650 handpiece



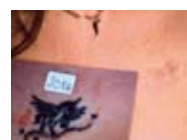
BEFORE AFTER 4 TREATMENTS
Courtesy of the Iranian Laser Centre

Fig. 5 Permanent hair reduction with the 650 handpiece



BEFORE AFTER

Fig. 8 Tattoo removal treatment using Q-Switched Laser



Courtesy of Hope Hospital, Salford

Fig. 3 Sun damage treatment with the 585 handpiece



LEFT HAND ONLY TREATED
Courtesy of Perth Laser Centre, Australia

Fig. 6 Rosacea treatment with the 585 handpiece



BEFORE AFTER
Courtesy of The Eden Clinic, Windsor

Fig. 9 Leg vein treatment using long pulsed Nd:YAG laser



BEFORE IMMEDIATELY AFTER TREATMENT
Courtesy of Dr Lalloo, The Cosmetic & Medical Centre, Dublin

Dr Mike Callandar, MB, ChB, PG Dip Dermatologoy (Cardiff), Medical Director Face & Body Clinic, Manchester says "I have found Lumina to be extremely effective in treating telangiectatic rosacea, which has transformed people's lives. I have been able to document the powerful effect of the

Lumina Q-Switched Laser on tattoo and pigment removal treatments with the aid of a dermascope, which clearly shows the instantaneous destruction of pigment. My patient satisfaction is extremely high, and I endorse the Lumina without reservation. The customer backup is second to none."

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TREATMENT



Fig. 1 Treatment of leg veins using a long pulsed Nd:YAG Laser delivered through the articulated arm on a LUMINA Q



Fig. 2 Facial rejuvenation using Intense Pulsed Light



Fig. 3 LUMINA Long Pulse Nd:YAG Laser Handpiece



⦿ Please note LUMINA Intense Pulsed Light and Laser options require registration with the Care Quality Commission

SYSTEM SPECIFICATIONS

WAVELENGTHS	585Plus Handpiece: 550–1100nm 650 & 650Advance Handpiece: 625–1100nm
PULSE SEQUENCE DURATION	5–300msec
PULSE SEQUENCING	1–6pulses
PULSE DELAY	5–50msec
MAX REPETITION RATE	up to 1.0Hz
MAXIMUM FLUENCES	585Plus Handpiece 50J/cm ² 650 & 650Advance Handpieces 40J/cm ²
SPOT SIZES (ILG)	5x1cm ² , 2.5x1cm ² , 1x1cm ² and 1cm Diam Circular

INTENSE PULSED LIGHT

SYSTEM SPECIFICATIONS

WAVELENGTH	1064nm
REPETITION RATE	1.0Hz
BEAM DELIVERY	FIBRE OPTIC (LUMINA LP) ARTICULATED ARM (LUMINA Q) 635nm red laser 635nm red laser
MAXIMUM FLUENCE	424J/cm ² 189J/cm ²
SPOT SIZES	3, 5, 7mm 4, 5, 6, 7mm

LONG PULSED ND:YAG LASER (INTERNAL)

SYSTEM SPECIFICATIONS

WAVELENGTH	1064nm
REPETITION RATE	1.0Hz
MAXIMUM FLUENCE	424J/cm ²
SPOT SIZES	3, 6, 8mm

LONG PULSED ND:YAG LASER (HANDPIECE)

SYSTEM SPECIFICATIONS

WAVELENGTHS	532nm and 1064nm
MAXIMUM ENERGY AT 1064NM	500mJ
MAXIMUM ENERGY AT 532NM	250mJ
MAXIMUM REPETITION RATE	5Hz
PULSE DURATION	7–10ns
SPOT SIZES	1.5–5mm
BEAM DELIVERY	Articulated Arm

Q-SWITCHED ND:YAG LASER

PHYSICAL PARAMETERS

DIMENSIONS	120x40x70cm (H x W x D)
WEIGHT	125kg
MAINS SUPPLY	220–240V*, 13A
LINE FREQUENCY	50–60Hz
MANUFACTURER	Lynton

*Other voltages are available on request.



Head Office

Lynton House, Manor Lane,
Holmes Chapel, Cheshire CW4 8AF
Tel +44 (0)845 612 1545
Fax +44 (0)1477 536978

South Office

Priors Corner, Dunleys Hill,
North Warnborough, Hook,
Hampshire RG29 1EA
Tel +44 (0)845 612 1545

The Lynton Clinic

Haw Bank House, High Street, Cheadle,
Cheshire SK8 1AL
Tel +44 (0)845 612 1535

info@lynton.co.uk www.lynton.co.uk

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