

Extending the boundaries
of IPL technology



phaserepl™

chromogenex™

Phaser EPL

Phaser EPL is the result of more than 20 years experience in the medical laser industry and a fresh innovation from Chromogenex Technologies Ltd; Phaser EPL is an Intense Pulsed Light System utilizing its own Smartlite™ Dual Phase Technology.

Permanent Hair Reduction
Vascular Lesions
Pigmented Lesions
Photo Rejuvenation
Active Acne

Phaser EPL technical specification

Wavelength -	Variable depending on hand piece selection.
Energy output -	20 Settings up to 150J depending on handpiece selection.
Mains power output -	1 KVA (Peak) 150 VA (Average).
Spot size -	(Universal hand piece) 50mm x 15mm.
Energy control -	User selectable pre-set programme levels for direct energy control.
Pulse duration -	20ms sculptured DPT pulse.
Repetition rate -	Up to 0.5Hz.
Safety -	On board self-diagnostics.
Classification -	Electrical Class 1, Type B.
Dimensions -	44cm x 46cm x 45cm.
Weight -	29kg.
Cooling requirements -	Air cooled.
Electrical requirements -	240V/8A/50Hz 120V / 10A / 60Hz.
Fuses -	8A/10A Ceramic timed.
Mode of operation -	Continuous operation with intermittent loading.
Ingress rating -	IPX0.
Environmental requirements -	10°C to 30°C Non-condensing
Humidities -	Humidities below 75%RH.
System status & Fault diagnostics -	On board computer based self-diagnostics.

Smartlite™ technology

Smartlite™ technology is a unique feature, setting new standards in IPL technology and developed exclusively for the Phaser range of products. Smartlite™ produces high levels of light energy that can be used effectively for the treatment of unwanted hair, skin rejuvenation and active acne.

This unique technology uses a combination of enclosed waveguide and a special reflecting cavity at the rear of the flash lamp source which increases transmission of light energy into tissue significantly compared to a standard IPL.

Proven treatment process

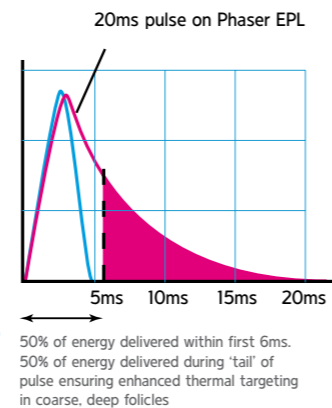
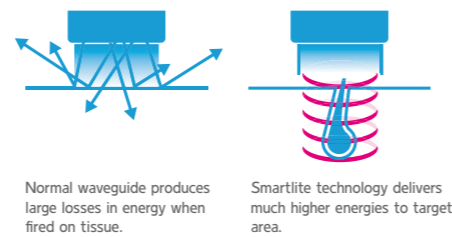
Our past hair removal experience with lasers and IPL has clearly demonstrated it is important to destroy both the germ cell (bulge) and hair root (bulb). Smartlite™ delivers a combination of yellow and red light combined with DPT (Dual Phase Technology) to destroy both structures and increase the efficiency and results.

Dual phase technology

Phaser EPL has a unique Dual Phase Pulse which is designed to provide destruction of both the bulge and the bulb for ultimate hair removal results.

The primary phase is a fast rise sculptured pulse allowing 50% of the energy to be transferred to tissue in the optimum time interval to focus on a flowing blood target and ultimately destruction of the bulge. This effect is essential for the removal of finer and lighter coloured hairs. This rapid rise in energy is also extremely effective for the treatment of unwanted pigmentation when used with the appropriate hand piece.

The secondary phase of the pulse is an extended tail of energy to enhance the thermal increase in the hair bulb, without increasing the temperature of the epidermis. This enables the coarser and more stubborn hairs to be treated efficiently.



Reasons to buy Phaser EPL

Ease of use

Phaser EPL has been designed with a user friendly interface, pre-programmed default settings and the capacity for program upgrades. It also allows for direct energy control.

The ergonomic and lightweight hand pieces offer both comfort (thus reducing user fatigue) and excellent visibility for the operator while carrying out treatments.

Speed

With a large spot size, fast repetition rate and no requirement for coupling gel, the Phaser EPL is one of the fastest IPL systems in the world.

Actual spot size

An average pair of legs can be treated in under 45 minutes!

Treats most skin types

A simple change of hand piece or clip on filter allows Phaser EPL to treat clients with darker skin types.

Treats most hair colours

The innovative Smartlite™ and Dual phase technology allows all hair types and most hair colours to be treated including fine blonde hair as well as coarse dark stubborn hairs.

Economical and profitable

Phaser EPL is one of the most cost effective systems in today's market, its low purchase cost, negligible consumable costs (each flash lamp is guaranteed for 200,000 pulses), and large treatment head makes Phaser EPL a highly profitable opportunity.



Multiple applications

Phaser EPL has been designed for treating a wide range of conditions including hair removal, skin rejuvenation, pigmented lesions, vascular lesions and active acne. Each system is delivered with a Universal Smartlite™ DPT hand piece. The combination of yellow and red light is not only effective for hair removal but is also useful in the reduction of pigmented and vascular lesions.

Interchangeable filters

With our new skin contact cooling system Phaser EPL can be used with a range of interchangeable filters. As a result a single universal handpiece is all that is needed to treat a range of applications saving the cost of having to buy a range of handpieces for various applications.

- Hair removal - peak energy 694nm
- Hair removal - peak energy 610nm
- Skin rejuvenation - peak energy 535nm
- Pigmentation - peak energy 490nm
- Acne - peak energy 440nm

Safe and effective

Phaser EPL is the result of more than 20 years experience in the medical laser industry. The design has been influenced by our 2000 existing IPL customers worldwide.

Clinical experience has shown that the new dual phase pulse offers results equal to or better than most leading IPL and Laser technologies.

Innovative accessories

Our new skin contact cooling system simply clips on to the Phaser handpiece. The cooling head window is chilled to as low as 5 degrees keeping a constant cool skin temperature. This allows maximum patient comfort and use of higher energies whilst protecting the epidermis. It also ensures sufficient cooling without the need for pre treatment ice packs or cool rollers, as a result, speeding up treatment time considerably.



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Hair removal, skin rejuvenation & acne

Hair removal

Excellent results have been achieved using Smartlite™ technology, in as little as five treatments.

Photo rejuvenation

Photo rejuvenation is a treatment applied to the face, hands and décolletage improving the overall appearance.

Smartlite™ technology is ideally suited to this application, and excellent results can be achieved.

The yellow light targets blood vessels causing them to coagulate and collapse, the red light targets unwanted pigmentation, while the combined effect of both red and yellow light stimulates collagen production.

A course of 4 to 6 treatments is recommended to attain significant improvements.

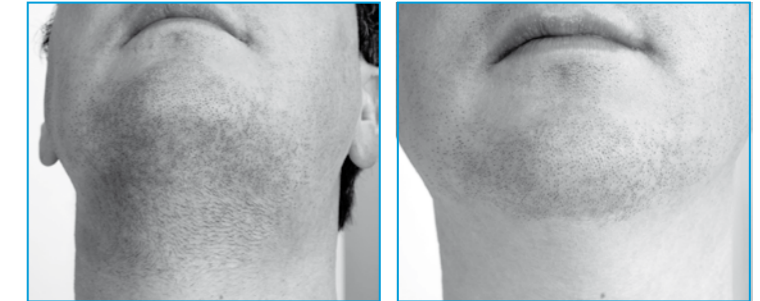
Active acne

Smartlite™ treatment technology invariably achieves destruction of the porphyrin containing bacterium (P acnes) with its yellow wavelengths of light (535nm). The red wavelengths (610nm) improve results by producing an anti-inflammatory response.

Results can be further improved by using the acne specific filter which increases porphyrin absorption and bacteria destruction with its blue light.

A course of treatments is recommended in order to achieve optimum results.

Hair removal



Before

After 8 treatments

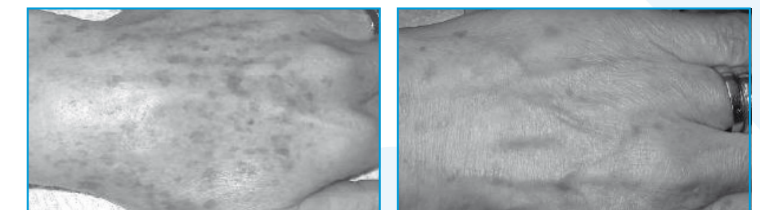
Photo rejuvenation



Before

After 3 treatments

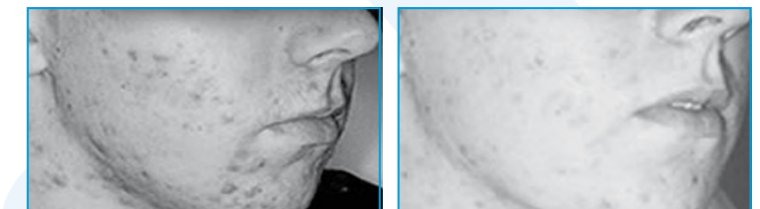
Photo rejuvenation



Before

After 2 treatments

Active acne



Before

After 6 treatments

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leaders in non-invasive laser therapy