Extending the boundaries of IPL technology

phaserepl™

chromogenex™
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The company

Chromogenex have been at the forefront of laser and light based technology for over 20 years. Established in 1986 the company has grown from a manufacturing and repair service to becoming a global company with a wealth of experience in Clinical research & Training, Customer support & Service, Manufacturing & Research.

Quality commitment

Chromogenex operates a quality system that meets European Medical Device Directives, United States FDA cGMP and CMDR (Canadian Medical Device Regulation). Having successfully distributed our devices in over 40 countries worldwide meeting all product, system and regulatory requirements, our notified body (SGS UK Ltd) has accredited us with the required ISO standards (ISO 13485/2003).

At Chromogenex we take pride in the quality of our products and ensure every device we manufacture undergoes a comprehensive and demanding programme of inspection and test.

Innovations

Chromogenex has a rich history of ground breaking innovations in the laser industry with a number of new exciting projects in the pipeline.

1990
Invented Europe’s first pulsed dye laser - Chromos 585.

1994
Patented the world’s first Ruby laser for hair removal.

1998
Patented the use of pulsed dye laser for the non-ablative wrinkle removal using a fast rise pulse.

2003
Designed and tested Smartlite technology IPL system.

2004
Received the first FDA clearance for laser treatment of acne.

2005
Designed and tested one of the world’s first combination body shaping systems.

2008
Designed and launched the UK’s first non invasive laser body shaping and fat reduction system.

Product range

nicolite
Low level laser therapy system for smoking cessation.

regenlite
Patented pulsed dye laser for acne, skin rejuvenation, vascular lesions.

i-lipo
Innovative laser diode system for body shaping and fat reduction.

chromoderm
Microdermabrasion for skin resurfacing.
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
Photo Rejuvenation
Active Acne

Phaser EPL is a unique feature, setting new standards in PL 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 PL.

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.
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.

### Multiple applications

**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
- **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.

### 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.

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**Before**

**After**

**8 treatments**

**Hair removal**

**Before**

**After**

**3 treatments**

**Photo rejuvenation**

**Before**

**After**

**Active acne**

**Before**

**After**

**6 treatments**