

thermaeye[®]
PLUS

Thinking about your patients

Relief from Dry Eye

According to the International Workshop on Meibomian Gland Dysfunction, MGD is most likely the leading cause of Dry Eye Disease. This workshop, along with a large body of evidence-based medicine (EBM), reports any compromise to meibomian gland function negatively impacts all aspects of ocular surface health.

Intense Pulsed Light therapy appears as a safe and efficient treatment in relieving symptoms and signs of DED-MGD eyes. No significant complications related to IPL treatment have been observed.

Benefits

- V** Vascular
- A** Anti – inflammatory
- A** Anti – Microbial
- T** Tissue regeneration

Pathologies

- Rosacea
- Telangiectasia
- MGD
- Brown spots
- Wrinkles

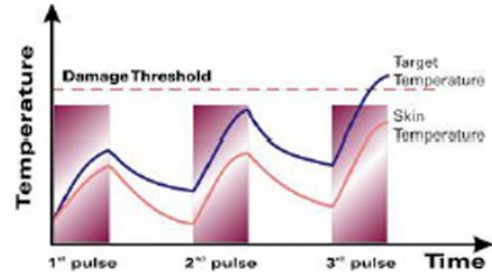


Advanced IPL Technology

Thermal Relaxation Time

Fractionated pulse: security guarantee

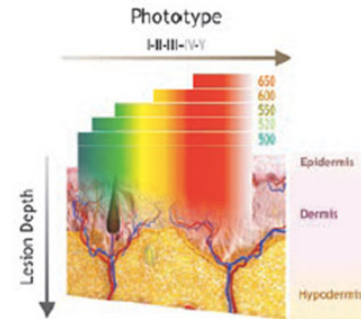
Each pulse of ThermaeyePlus can be divided up into three pulses. These fractionated pulses allow the use of higher energy fluences during treatment while providing better protection of the treated skin. The user can select the duration and energy of every individual pulse and also set the pulse interval. This intelligent technology protects the skin and prevents thermal damage.



Reduced risk of thermal damage

The advanced integrated skin cooling system of the ThermaeyePlus handpiece prevents excessive temperature increases to the epidermis.

This assists with decreasing unwanted thermal side effects on the treated skin area and makes the treatment more tolerable and safer for patients.



The interaction of the different wavelengths and skin layers determine the choice of an appropriate filter based on the treatment needed and the patient's phototype.

“Maximum comfort for the patient Maximum safety for the operator”

Incorporated Power meter

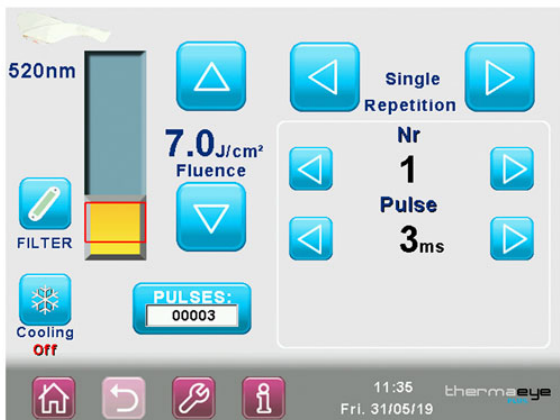
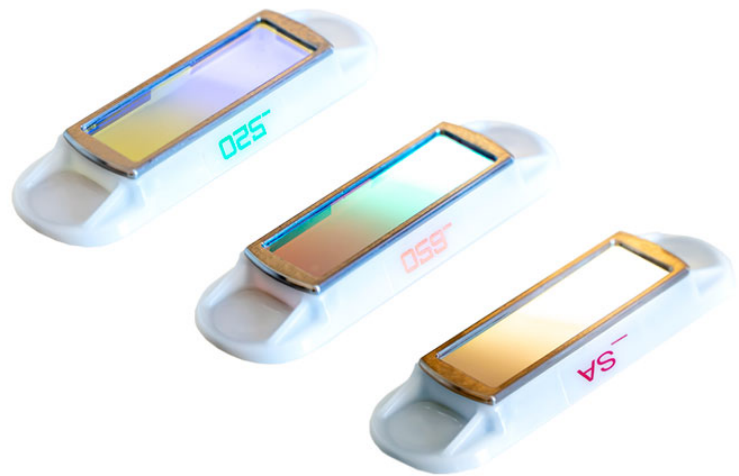
ThermaeyePlus features a control tool that is extremely useful in daily practice. An integrated power meter continually monitors the number of pulses emitted, the real effectiveness of every individual pulse and the correct operation of the handpiece. This added safety feature assures the operator of the efficiency and accuracy of energy emitted during treatment.



Light, Versatile and User-Friendly

ThermaeyePlus is equipped with three interchangeable filters. These filters are quickly and easily changed by the user who can select the appropriate wavelength that best adapts to the application and pathology of the patient.

Three different filter wavelengths are available (520nm, 650nm and 800nm(SA)). These choices of filters in combination with the pulsed technology, ensures more significant absorption of light by melanin, allowing for the safe treatment of MGD and other pathologies over a higher number of skin types as defined by the Fitzpatrick scale.



User-friendly Software

ThermaeyePlus has software designed exclusively for the treatment of meibomian gland dysfunction and other pathologies associated with dry eye.

3

Interchangeable filters, with different wavelength spectrums, in a single pulsed light handpiece. It takes only a moment to adjust the emission to the specific application and the patient's phototype.

11

Easily adjustable cooling levels for skin contact integrated into the handpiece.

16Kg

Compact technology. The reduced size of ThermaeyePlus makes it easy to move around.

700g

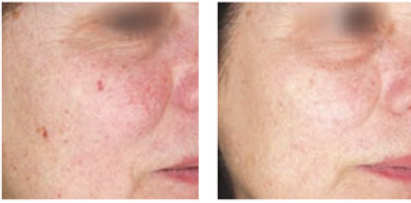
A compact and lightweight handpiece ensures effortless treatment.

Power Meter

A power meter incorporated into the system monitors the correct operation of the handpiece at all times.

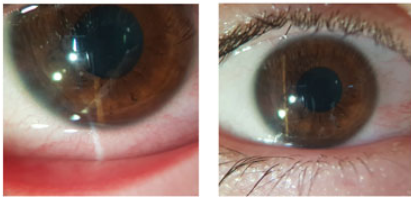
Expanding your Practice

Multiple Filters-Larger Scope



Courtesy of: P. Campolmi, MD - G. Cannarozzo, MD - P. Bonan, MD.
Florence, Italy. (Photos using polarized light)

520nm. This filter is used to perform treatments involving vascular lesions and skin pigmentation defects of patients presenting with up to and including Fitzpatrick grade III skin type.



Courtesy of Dr. Carlos Verges

650 nm. This filter is ideal for treating MGD in all skin types up to Fitzpatrick grade VI skin type.



Courtesy of: A. Pulvirenti, MD - Catania, Italy.

SA-800 nm. This filter has been shown to stimulate the production of new collagen, improving the tone, texture and luminosity of the skin, giving it a lifting effect without the need for more invasive treatments.

Care for your patients

IPL helps improve results with each treatment



Results

Many studies confirm IPL treatment achieves a statistically significant improvement in the relief of the clinical signs and symptoms of patients affected by **MGD** related to **DED**. Maximum benefit usually occurs after a few IPL treatment sessions.

The high versatility of **ThermaeyePlus** device allows users to set customised treatment parameters according to the patient's presenting characteristics. This assists with achieving maximum outcomes, efficacy and tolerability.

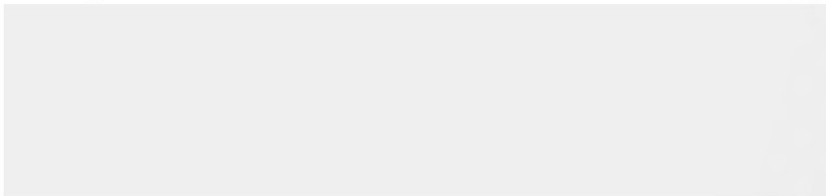
Technical data

Source	Xe Lamp
Spectrum of Emission	520 — 1200 nm 650 — 1200 nm SA 800 — 1200 nm
Pulse Width	From 3 to 8 ms
Delay Between Pulses	From 5 to 50 ms
Number of Pulses	From 1 to 3
Repetition Rate	2 s (min.)
Treatment Area	48 mm x 13 mm (6.2 cm ²)
Fluence	Up to 25 J/cm ²
Integrated Skin Cooling	Contact Peltier system
Emission Control	Footswitch and/or Fingerswitch
Electrical Requirements	230Vac / 10A (máx) 50-60 Hz
Dimensions & Weight	22 cm (H), 45 cm (D), 37 cm (W), 16 Kg

Bibliography

- 1- Prospective evaluation of intense pulsed light and meibomian gland expression efficacy on relieving signs and symptoms of dry eye disease due to meibomian gland dysfunction. Steven J Dell, Ronald N Gaster, Sheila C Barbarino, Derek N Cunningham. Clinical of Ophthalmology, 2 May 2017
- 3- Stimulates circulation and improves inflammation. Ceylan 2004 and Enwemeka 2004.
- 4- Microcoagulation of telangiectasias of palpebral edge and neovascularization surrounding the meibomian glands. Jiang 2016
- 5- Direct antibacterial effect and indirect antibacterial effect by stimulating the emergence of macrophages and bacterial phagocytic activity. Nusbaum 2002, Plaja 2003.
- 6- The role of intense pulsed light (IPL) in the treatment of Meibomian Gland Dysfunction (MGD). Tenna Stefania, Turco Piergiorgio, Brunetti Beniamino, Anotonio DiZazzo, Machi Jacobo, Bonini Stefano, Persichetti Paolo. European Journal of Plastic Surgery 22 May 2019

Distributed by:



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