

VISULAS Trion Combi

**Compact design,
great performance**



The ultimate in compactness and flexibility for therapy.

In many offices and hospitals space is a precious commodity. The VISULAS Trion Combi integrates four treatment wavelengths in a single system for the very first time – for even better performance, efficiency and compactness.

Four wavelengths. Three therapies. Two concepts.

VISULAS Trion Combi incorporates concepts for laser therapy of both the anterior and posterior segments of the eye. It is the combination of the multicolor coagulation laser VISULAS Trion for posterior photocoagulation and the VISULAS YAG III laser for anterior photodisruption. For the first time, you can have four different wavelengths for the three most common laser therapies at your fingertips – all in one compact workstation.

One slit lamp. One control panel. One workflow.

The Trion Combi laser slit lamp serves all therapies. This saves space and time and eliminates the need for patient relocation. The VISULAS Trion Combi really shows what it can do in iridotomy with prior coagulation: a single touch of the laser display switches the system's cockpit from the coagulation to the photodisruption mode. This opens up new clinical perspectives and accelerates work routines.

One slit lamp, four filters. Outstanding image quality.

The Trion Combi slit lamp is an outstanding diagnostic slit lamp and further extends the application spectrum of the VISULAS Trion Combi.



One investment. Many possibilities.

The VISULAS Trion Combi offers you the full spectrum of versatile coagulation wavelengths for the treatment of retinal disease. Its three different colors guarantee that you always have the right wavelength for every clinical case. The VISULAS YAG III laser is perfectly adapted to procedures in the anterior segment of the eye. Reliable capsulotomies can be performed with extremely low energies, ensuring maximum patient comfort and compliance.

Five details, one goal:

Full concentration on the essentials.

The VISULAS Trion Combi also offers a comprehensive range of features and accessories optimizing your treatment modalities:

- Using the joystick of the integrated electronic micromanipulator you can control the coagulation laser quickly and precisely. The trigger for the YAG III laser is integrated into the joystick.
- Key treatment parameters are displayed in the ACCENTO eyepiece. This ensures that you can view the pathology and treatment parameters throughout therapy.
- Simple parameter monitoring via the ACCENTO eyepiece and variation via the ACCENTO footswitch offer rapid hands-free control of the treatment endpoint.
- VISULAS Trion Combi interfaces with the Trion Indirect Ophthalmoscope and laser endoprobes, completing the extensive range of applications from a single laser workstation.



Patient Care



Precision



Productivity



Performance

VISULAS Trion Combi

Technical Data	
Photocoagulation laser VISULAS Trion	
Laser type	Frequency doubled, solid-state laser
Max. power at the cornea	1.5 W (GREEN, 532 nm), 0.8 W (YELLOW, 561 nm), 1.0 W (RED, 659 nm)
Aiming beam	Diode, 620–650 nm, brightness adjustable, max. 1 mW at the cornea
Pulse duration	Adjustable, 10–3000 ms, single pulse or auto-repeating
Electrical connection	100–240 V ~, 50/60 Hz
Dimensions of laser console	H 785 x B 330 x D 670 mm H 30.9 x B 13.0 x D 26.4 inches
Photodisruption laser VISULAS YAG III	
Laser wavelength	1064 nm
Optical breakdown	Typically 2.5 mJ in air (Super-Gaussian)
Pulse repetition frequency	Max. 2.5 Hz
Aiming beam	Diode approx. 670 nm, 4-dot aiming beam
Focus shift	Variable: +150 µm; 0; -150 µm
Electrical connection	100–240 V, +/-10%, 50–60 Hz, max. 1.4–0.7 A, max. 2.2 A in short time (< 1 sec.)
Dimensions of laser console	H 135 x B 210 x D 330 mm H 5.3 x B 8.3 x D 13.9 inches
Laser slit lamp LSL Trion Combi	
Illumination	12 V, 30 W, brightness continuously adjustable
Magnification	5 / 8 / 12 / 20 / 32 x
Slit adjustment	Slit length: adjustable in steps 1 / 3 / 5 / 9 / 14 mm Slit width: continuously adjustable 0–14 mm Slit image rotation: 0°, ±45°, 90°
Laser beam delivery	Coaxially to slit illumination
Laser spot size	Continuously adjustable, 50–1000 µm (without contact lens), parfocally, larger spot diameters depending on contact lens used
Micromanipulator	Servo-electric
Electrical connection	Via the control panel of the VISULAS YAG III laser
Dimensions of the LSL	H 623 x B 350 x D 400 mm H 24.5 x B 13.8 x D 15.7 inches



Publication No: 000000-1676-289

The contents of the brochure may differ from the current status of approval of the product in your country. Please contact our regional representative for more information. Subject to change in design and scope of delivery and as a result of ongoing technical development. Printed on elemental chlorine-free bleached paper. PUBLICIS VIII/2008. © 2008 by Carl Zeiss Meditec AG. All copyrights reserved.

Carl Zeiss Meditec AG
Goeschwitzer Str. 51–52
07745 Jena
GERMANY

Phone: +49 36 41 22 03 33
Fax: +49 36 41 22 01 12
info@meditec.zeiss.com
www.meditec.zeiss.com

Carl Zeiss Meditec Inc.
5160 Hacienda Drive
Dublin, CA 94568
USA

Phone: +1 925 557 41 00
Fax: +1 925 557 41 01
info@meditec.zeiss.com
www.meditec.zeiss.com