

## ADVANCE ON DEMAND

Designed to evolve when you need

# COMBINED CONFIGURATION

Qube™ pro powered by **eyeflexa<sup>+</sup>**

# MULTI-UPGRADE SYSTEM designed to evolve with your needs

eyeflexa™ offers flexible customization options to suit your clinical and practice needs

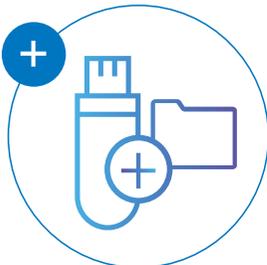
Combined LUX†



Wireless dual-linear footswitch



Ophthalmic LED light source



Upgrade kit



Ophthalmic green laser photocoagulator with integrated LED light

\*Qube™ pro powered by eyeflexa™  
†Optional configuration with IV pole available on request

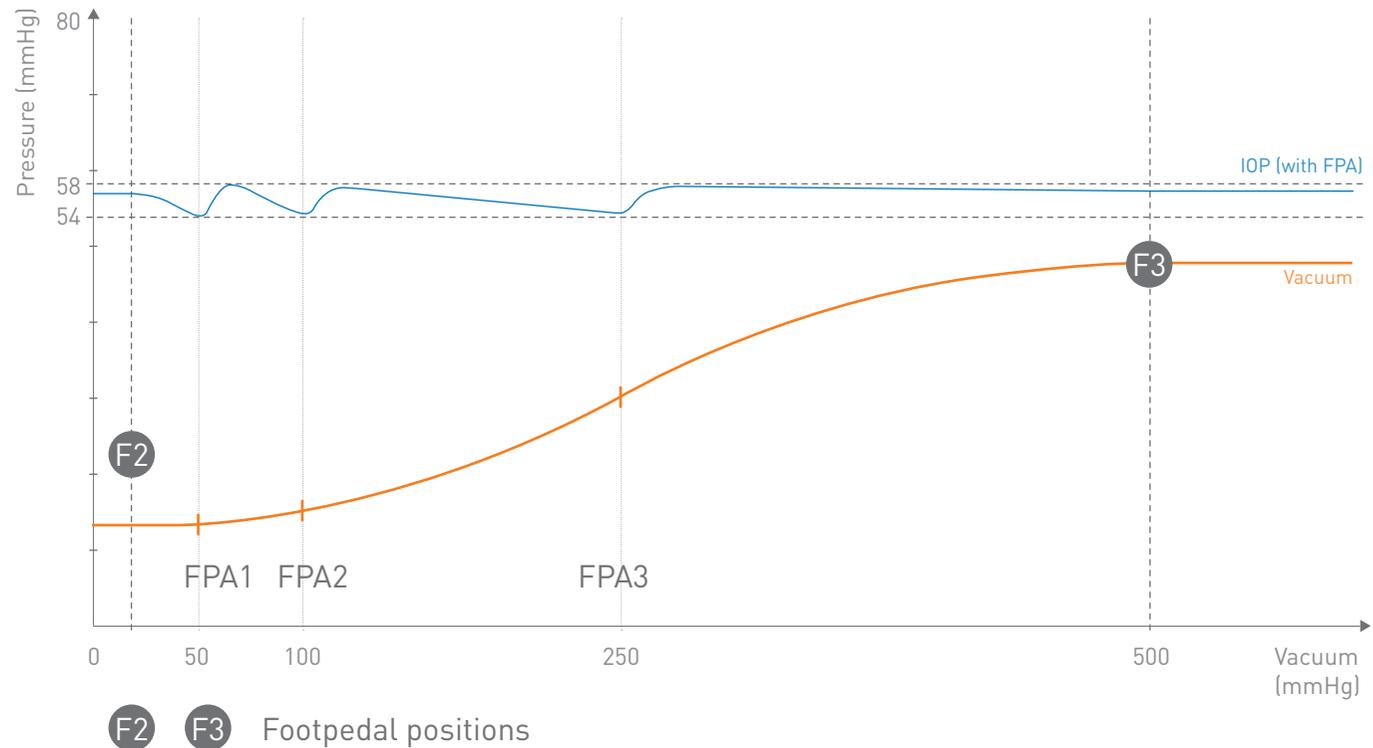
# EXCEPTIONAL CHAMBER STABILITY, YOUR WAY

for anterior and combined surgeries

eyeflexa™ dynamically regulates intraoperative pressure (IOP) through its innovative fluid path adaptation technology (FPA). Three programmable vacuum thresholds adjust irrigation flow and work in sync with the infusion pressure control (IPC), providing exceptional chamber stability.

Offers ability to optimally maintain IOP, which is particularly important in delicate maneuvers like last piece removal or inducing PVD at high vacuum.

FPA regulates IOP by correcting the increase in vacuum with three programmable vacuum thresholds



# UNLOCK YOUR POTENTIAL with optimized features



## DUAL-FUNCTION CASSETTE

A one (or single) cassette system, designed to offer a simple and unique solution for cataract, vitreoretinal or combined procedures, streamlining purchasing and preparation setup for the OR team.



## LIGHTWEIGHT, BALANCED TITANIUM HANDPIECE

The continuous self-calibration capability allows for consistent energy delivery, while the four-crystal design ensures smooth and efficient ultrasonic delivery.

Patented Linear Hydrodissection (LHD) technology standardizes hydrodissection procedures by allowing for consistent and repeatable fluid delivery, and faster procedures by eliminating the need for instrument exchange during the step. It is also compatible with regular or femto laser procedures.

The same handpiece can also be used with the fragmatome tip in instances of a dropped nucleus.



## WIRELESS PROGRAMMABLE DUAL-LINEAR FOOTSWITCH

Complete flexibility of foot pedal options to suit your surgical preferences and technique, while reducing cable clutter on the OR floor.

Available in both wired and wireless options with the flexibility to customize either in single or dual-linear setting, providing you with complete control to optimize fluidic, energy and cutting performance.



## INNOVATIVE BI-BLADE™ TECHNOLOGY

Designed for uninterrupted flow, less retinal traction and high aspiration, Bi-Blade™ vitreoretinal cutters maximize efficiency and safety (cutting speed: 15,000 cpm; available in 23G, 25G and 27G).<sup>1</sup>

1. Romano MR, et al. Fluidics of Single and Double Blade Guillotine Vitrectomy Probes in Balanced Salt Solution and Artificial Vitreous. *Transl Vis Sci Technol.* 2018;7:19.

# COMPREHENSIVE ACCESSORY PORTFOLIO

to complement your surgical technique



## HIGH-QUALITY TROCAR SYSTEM

The flat blade design helps create optimal incisions, facilitating smooth instrument exchange. Variable sizes (23–25G) afford greater flexibility, with snap-fit functionality for additional cannula stability.



## ENDO DIATHERMY PENCIL

Reusable, bipolar diathermy pencil for endocoagulation.



## FRAGMATOME TIP

For removal of dropped nucleus or pars plana lensectomy. Available in 20G & 23G.



## SILICONE OIL INJECTION/ASPIRATION

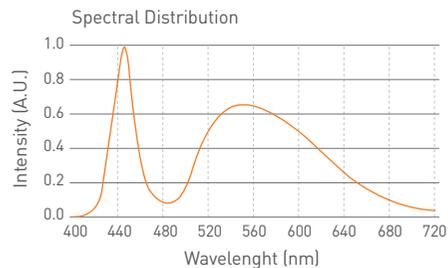
Reusable equipment for fitting a viscous fluid syringe for oil injection and aspiration.

# ILLUMINATION AND PHOTOCOAGULATION

with improved visualization

## LEDIX OPHTHALMIC LED LIGHT SOURCE

Compact and lightweight, the Ledix ophthalmic LED light source has three independent illumination outputs. Temperature controlled for a long lifetime and low bulb replacement. Demonstrated safety with no detectable retinal phototoxicity caused by endoillumination.<sup>1</sup>



## FULL RANGE OF ENDOILLUMINATION PROBES

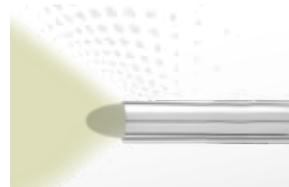
Available in 20G, 23G, 25G and 27G, shielded, straight probe, wide angle, and chandelier to fit your surgical preference.



**SHIELDED** to prevent light reflection



**STRAIGHT PROBE** for focal illumination



**WIDE ANGLE**



**CHANDELIER** for diffuse illumination

## FENIX 532-D OPHTHALMIC GREEN LASER PHOTOCOAGULATOR

Equipped with THINDISC technology, the Fenix 532-D offers dual modality for simplified surgical performance.

Added features include quick power stabilization in the ms-impulse regimen, no visible peaks and a fully programmable, user-friendly touchscreen menu.

Compatible with LIO and SLT, 20G, 23G, 25G and 27G standard, chandelier and illuminated Fenix endolaser probes.



Compact endolaser photocoagulation with integrated LED light source



1. Aydin B, et al. Retinal endoilluminator toxicity of xenon and light-emitting diode (LED) light source: rabbit model. *Cutan Ocul Toxicol.* 2014;33:192-196.

## eyeflexa™\* COMBINED LUX SPECIFICATIONS

### TECHNICAL SPECIFICATIONS

#### DIMENSIONS

320 x 450 x 380 mm (w x h x d)

#### WEIGHT

35 kg

#### POWER SUPPLY

100–240 VAC; 50–60 Hz; 250 W; 4.0 A

#### COMPRESSED AIR SUPPLY

400–1,000 kPa (4–10 bar); 60 L/min

#### DIGITAL COLOUR TOUCH DISPLAY

#### ASPIRATION

Soft venturi pump 650 mmHg at sea level, rise time adjustable

#### IRRIGATION

Pressurized IPC (infusion pressure control) 5–120 mmHg; gravity (electric or manual I.V.-pole)

#### FOOTSWITCH

Single or dual-linear functions, 8 programmable buttons, wired or wireless

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### PHACO TECHNICAL SPECIFICATIONS

#### RESONANCE FREQUENCY

40±2 kHz, 0–100%, pulsation frequency adjustable (Automated Continuous Tuning)

#### PHACO MODES

Pulsed, burst, Qubic, width, constant, pause

#### AUTOMATIC VENTING

Programmable – fluid or fluid & air

### OTHER SPECIFICATIONS

#### PNEUMATIC CUTTER

7,500 cpm (up to 15,000 cpm with Bi-Blade™)

#### DIATHERMY

Bipolar, 9 W/50 Ω; 2 MHz ± 20%

#### VR-READY

VF1, fluid air exchange, active VF extraction



# Qube™ pro powered by eyeflexa<sup>+</sup>

Information contained is intended for health care professionals. For a full list of indications and contra indications please refer to the product related Instructions For Use. Some of the products and/or specific features as well as the procedures featured in this document may not be approved in your country and thus may not be available there. Design specifications are subject to change without prior notice as a result of ongoing technical development. Please contact our regional representative regarding individual availability in your country. Hoya, eyeflexa, and Qube are trademarks of the HOYA Corporation or its affiliates. Bi-Blade is a trademark of the MIDLabs Inc. or its affiliates. ©2021 HOYA Medical Singapore Pte. Ltd. All rights reserved. 🏢 Fritz Ruck Ophthalmologische Systeme GmbH | De-Saint-Exupéry-Str. 10 60549 Frankfurt am Main Germany | ☎ 0123 | for the products Qube pro powered by eyeflexa and accessories. 🏢 MIDLabs Inc. | 557 McCormick Street, San Leandro, CA 94577 United States. 🏢 Emurgo Europe | Prinsessegracht 20 2514 AP The Hague The Netherlands | ☎ 0197 | for the products Anterior Vitrectomy Cutters and Bi-Blade Vitrectomy cutters. 🏢 Omesis Medikal Sistemleri İthalat İhracat Sanayi Ve Ticaret Limited Şirketi | Ostim Osb Mahallesi 1151 Sk. No: 40 Yenimahalle, Ankara, Turkey | ☎ 1984 | for the products Fenix, Endolaser probes, Endoillumination probes. 🏢 Omesis Medikal Sistemleri İthalat İhracat Sanayi Ve Ticaret Limited Şirketi | Ostim Osb Mahallesi 1151 Sk. No: 40 Yenimahalle, Ankara, Turkey | ☎ | for the product Ledix. 🏢 France Chirurgie Instrumentation SAS (FCI S.A.S.) | 20-22 rue Louis Armand 75015 PARIS France | ☎ 0459 | for the products Trocar Sets. 🏢 Kirwan Surgical Products LLC | 180 Enterprise Drive, Marshfield, MA 02050, United States 🏢 MPS, Medical Products Service GmbH, Borngasse 20 35619 Braunfels Germany | ☎ 1639 | for the products Diathermy pens, forceps. Distributed by: HOYA Surgical Optics GmbH | De-Saint-Exupéry-Str. 10 60549 Frankfurt am Main Germany | Tel: +49 (0) 800 664 2 664 | Fax: +49 (0) 800 774 2 774 | [hoyasurgicaloptics.com](http://hoyasurgicaloptics.com)

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