

Product Catalog

KINYA

Key Innovation in Your Access



► POSTERIOR VITRECTOMY SYSTEM

Introducing HOPE - the embodiment of sophistication and dependability for vitreoretinal procedures. Merging the forefront of vitrectomy technology with an ergonomic design, HOPE provides surgeons with the tools necessary for meticulous surgical performance.



Specifications

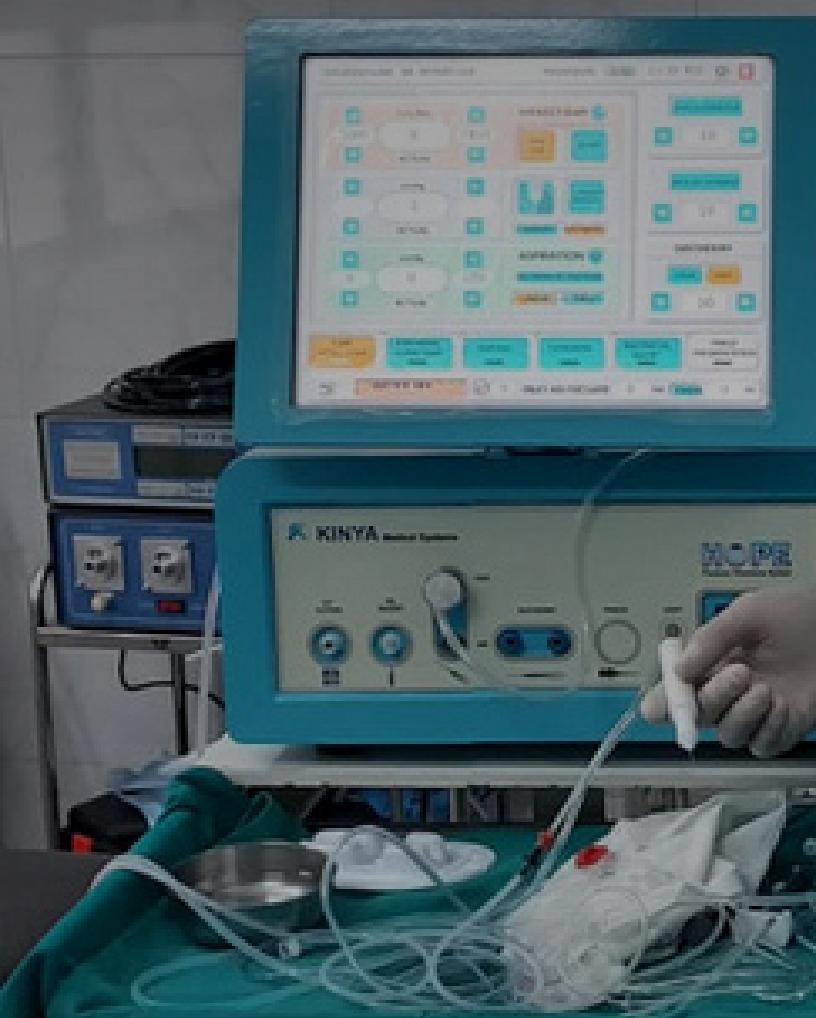
- Power Supply: 100 - 240V
- Max Power Consumption: 600W
- Input Pressure: 7 - 8 bar
- Dimensions: 421 x 421 x 210 mm
- Weight: 32 Kg

User-Centric Design

Graphical User Interface (GUI): Equipped with a 15 inch resistive touchscreen, providing an intuitive, voice-activated interface that simplifies complex surgical tasks.



HARMONIOUS OPTIMAL PREDICTABLE EASY TO USE



With HOPE, experience a harmonious blend of technology and comfort, designed to deliver an optimal and predictable surgical journey that is efficient and user-friendly.

Enhanced Surgical Capabilities

Ultra-High Speed Vitrectomy: Delivers meticulous control with 10000 cuts per minute through an optimized duty cycle and 3D vitrectomy functionality for superior surgical outcomes.

Phaco Fragmentation Probe: Expand your surgical capabilities with our integrated Phacoemulsification probe, designed for efficient lens fragmentation, offering a multifaceted approach within the same platform.



Endo-illumination: Features a powerful 80W white LED light source, compatible with 23G, 25G, and 27G systems, providing exceptional illumination for intricate surgeries.



Diathermy: Tailor your surgical approach with precision using bipolar Endo and Exo diathermy, adjustable up to 1 MHz frequency and 0 - 10 Watt @ 125Ω, for refined tissue cauterization.

Viscous Fluid Function: Ensures a fluid injection and extraction process with pressures up to 6.5 bar and an extraction vacuum up to -650 mmHg, for precise handling of ocular tissues.

Reliable Infusion and Pressure Systems

Automated Eye Pressure Control: Features an advanced safety mechanism to ensure stable eye pressure throughout the surgery, adapting seamlessly to any unexpected interruptions.

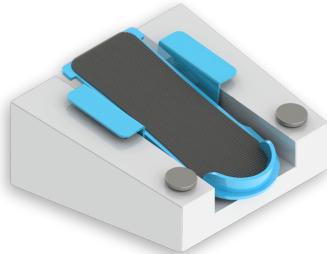
Infusion System: Offers a comprehensive pressure range (0-200mm Hg) with both gravity and automated options, fluid alternate pressure, and infusion compensation for maintaining optimal intraocular pressure.



Air-Fluid Exchange: Provides a broad range (0 - 200 mmHg) with an air tamponade function, critical for maintaining retinal attachment during procedures.



Bipolar Cautery: Offers enhanced surgical precision with a bipolar cautery option, facilitating coagulation and hemostasis with fine-tuned control.



Phaco Trolley with Automatic IV Pole:

Designed for convenience and mobility, the trolley seamlessly integrates with the vitrectomy system, featuring an automated IV pole for streamlined setup and transitions during multifaceted surgeries.



Robust and Dependable

LED Light Source: A standalone light source accompanies the system, boasting a remarkable lifespan of 50,000 hours, reducing the need for frequent replacements. 23G/25G & 27G compatible and works with most light fibres.

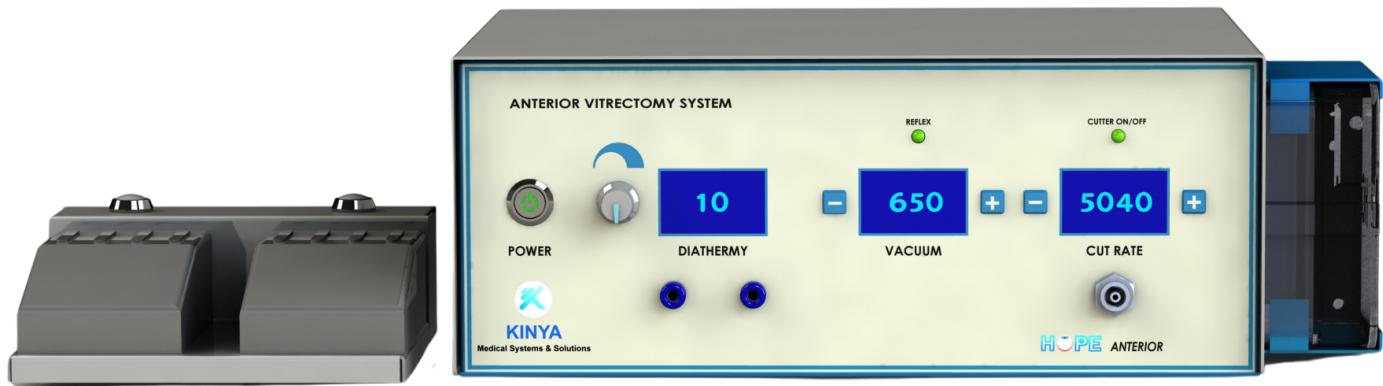
Emergency Mode: With foot pedal-free operation, HOPE ensures continuity of care, even in unforeseen circumstances such as power outages.





► ANTERIOR VITRECTOMY SYSTEM

Elevate the Standard of Anterior Segment Surgery with the HOPE Anterior Vitrectomy System. Engineered for anterior segment surgeries, HOPE ensures that every cut is a step towards perfect vision.



Core Features

High-Performance Vitrectomy: Delivers a remarkable cut rate of 5000 cuts per minute, providing surgeons with the speed and efficiency required for demanding anterior segment surgeries.

Advanced Vacuum Control: Employs a robust vacuum system with up to 650 mmHg, enabling precise manipulation of ocular tissues with confidence and control.

Venturi Pump System: The Venturi Pump System ensures a consistent and reliable flow, essential for the delicate balance required in anterior vitrectomy procedures.

Diathermy Precision: With an inbuilt diathermy at 1 MHz, achieve pinpoint coagulation, vital for minimizing intraoperative bleeding and enhancing surgical outcomes.

User-Friendly Interface: Easy and simple OLED displays offer clear visibility of system settings, allowing for quick adjustments and real-time monitoring during procedures.

Automatic Draining Cassette: Enhances operational efficiency with an automatic draining system, reducing maintenance time and ensuring a clean, ready-to-use setup.



➤ OPHTHALMIC CRYO SYSTEM

The HOPE Cryo unit is meticulously crafted to assist surgeons in achieving optimal results with ease. It stands as a testament to our commitment to innovation, offering a user-friendly design that does not compromise on performance or reliability. Whether it is retinal detachment or cataract removal, the HOPE Cryo unit is your partner in facilitating superior patient outcomes.



Key Features

Electronically Operated: The HOPE Cryo unit brings cutting-edge electronic control to cryosurgery, offering precise manipulation for delicate ophthalmic procedures.

Versatile Probes: Engineered to be compatible with both retina and cataract probes, this unit allows for flexibility across a wide range of cryosurgical applications.

Rapid Freezing: Experience the advantage of quick freezing for effective cryo-adhesion, vitreoretinal traction reduction, and cataract extraction.

Consistent Performance: Predictable operation ensures consistent outcomes, enhancing the surgeon's ability to plan and execute complex surgical interventions.

Foot Pedal Actuation: Enhancing functionality and convenience, the foot pedal actuation allows for hands-free operation, giving surgeons precise control over the freezing process without interrupting the surgical workflow.



► VITRECTOMY ENHANCER

Maximize Efficiency, Minimize Cost with the HOPE Vitrectomy Enhancer, a breakthrough in ophthalmic surgery. Designed to augment the capabilities of your existing vitrectomy systems, this enhancer is the cost-effective solution for achieving high-precision vitreous cutting at rates previously unattainable with standard equipment.



Key Features

High-Speed Performance: Elevate your surgical capabilities with an impressive [cut rate](#) of 10000 cuts per minute, enabling more efficient vitrectomy procedures.

Universal Compatibility: The HOPE Vitrectomy Enhancer is engineered to work seamlessly with most vitrectomy systems.

Cutter Compatibility: Works in conjunction with most vitreous cutters for enhanced versatility.

PSI Adjustment Mechanism: Tailor the performance to your specific surgical needs with an intuitive PSI adjustment mechanism, providing you with control over the pneumatic pressure for optimal cutting efficiency.

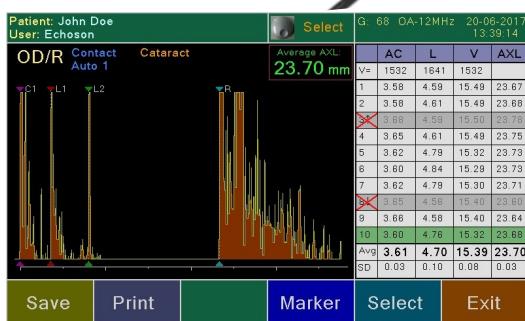
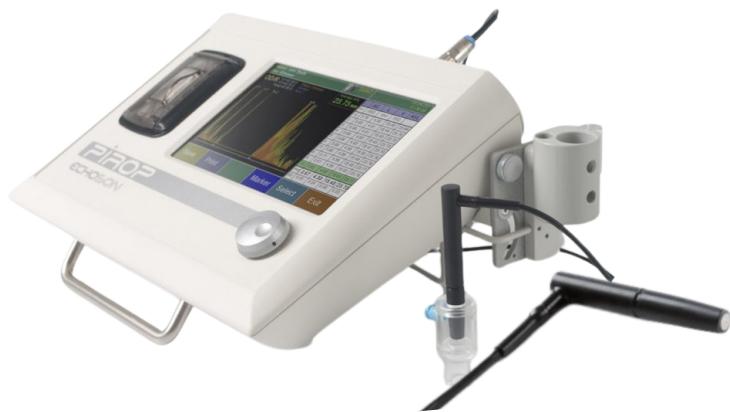
► BIOMETRIC SCANNERS PIROP

General properties

- Touch Screen - Easy, ergonomic and user-friendly operation via displayed menu. Virtual keyboard for entering patient data, etc.
- External USB keyboard (option)
- Color LCD 7" display, 800x480 pixel
- Ten (10) user profiles
- Recording of images in external USB Pendrive memory
- Internal thermal small printer
- Easy firmware upgrade via USB port
- USB port for external laser printer
- 6 type of printing reports



A - SCAN OCULAR BIOMETRY Implants, Cataract Surgery



Specifications

- Probe frequency: 12 MHz - OA-12
- Range of scan: 45 mm
- Clinical resolution: 0.1 mm
- Electronic resolution: +/- 0.01 mm

Features

- Complete and quick biometry: AXL, AC, LENS, VITR
- Measurement of all eye types: normal, cataract, dense cataract, aphakic, pseudoaphakic /PMMA, ACRYLATE, SILICONE/, silicone oil vitreous
- IOL six formulas: SRK II, SRK T, Holladay, Hoffer-Q, Binkhorst II, Haggis
- Post refractive formulas: Double-K SRKT, Latkany /Flat-K SRKT/, Latkany /avg-K SRKT/, Maskit
- IOL comparisons
- Contact and immersion methods

B - SCAN

INTERIOR VISUALISATION

Retina, Nerve, Eye Ball



CCT - PACHYMETR

CORNEA Thickness, IOP , GLAUCOMA



Specifications

- Probe frequency: 12/15 MHz - OB-12
- Scanning angle: 55°
- Range of scan: 20-60 mm
- Axial clinical resolution: 0.12 mm
- Lateral clinical resolution: 0.3 mm

Features

- Display modes: B, B+A, B+B
- A-mode for selected line
- 256 Levels Gray Scale
- Digital multimode image processing
- Measurements and calculation (distances, area, length, angle)
- Cine memory - 2x6 sec.
- ZOOM function

Specifications

- Probe frequency: 20 MHz - OP-20
- 400 MHz sampling rate
- 1640 m/s default speed (adjustment range from 1400 to 2000 m/s)
- Range from 220 μm to 1100 μm
- Accuracy: ± 2 μm
- Resolution: 1 μm



Features

- Quick measurements of thickness for all corneal types
 - Measurement of thickness at arbitrarily selected points of the corneal surface
 - Automatic and manual measurements
 - Calculation of the mean; standard deviation of the measured thickness and Ability for rejecting uncorrected measurements
- Intra-ocular pressure (IOP) calculations with measuring and/or manual correction
- Seven IOP correction formulas: (Kohlhas/Shah, Doughty, Whitacre et al., Argus, Dresen, Stodmester, Ehlers, 3 customs - own)





► TABLE TOP AUTOCLAVES

Experience the zenith of sterilization efficiency with our premium selection of IcanClave Table Top Autoclaves, meticulously curated to support the diverse sterilization needs of medical, dental, and laboratory environments.



Model	STE-8-D QUICK	STE-23-D PRO	STE-29-D
Volume	8 Litre	23 Litre	29 Litre
Chamber Size	Ø170 x 320mm	Ø250 x 450mm	Ø247 x 620mm
Type	CLASS B	CLASS B	CLASS B
Power	1500w	1500w	1750w

► LOW TEMPERATURE PLASMA STERILIZERS



Model	HPS - 30	HPS - 50	HPS - 100
Volume	30 Litre	50 Litre	30 Litre
Chamber Size	340(W) x 240(H) x 395(D) mm	338(W) x 236(H) x 660(D) mm	400(W) x 358(H) x 750(D) mm
Electrical	AC 220V, Max 2.7kw	AC 220V, Max 3.0kw	AC 220V, Max 3.4kw
Cart (Option)	613(W) x 665(H) x 850(D) mm	613(W) x 880(H) x 850(D) mm	-



► ETHYLENE OXIDE STERILIZERS



ANM Series E.O. Sterilizers

Fully Automatic: Streamline your sterilization with our fully automatic units, designed for both table and stand mounting configurations.

Versatile Capacity: Choose from a range of sizes to fit your space and volume requirements, available in 127, 140, 225, and 450-liter options.

Advanced Control: Equipped with user-friendly interfaces for precise sterilization cycles, ensuring consistent and reliable results.



Manual Series E.O. Sterilizers

Manual Operation: Ideal for facilities that prefer direct control over the sterilization process, with manual range table top units.

Compact Design: Perfectly sized for smaller spaces, offering 56 and 76-liter capacities without compromising on functionality.

Robust Construction: Built to last with high-quality materials, ensuring durability and long-term performance.



➤ BINOCULAR AUTOREFRACTOR AND SCREENER

made
in
Germany



Accurate



Award-winning



Reliable



Compatible

Specialist in Photorefraction

Plusoptix was founded in 2001 and has been dedicated to the development of binocular handheld photorefractors since the very beginning. All product development (hard and software) as well as manufacturing is performed in-house at our Nuremberg, Germany headquarters.

Because of long-term experience in the development of binocular photorefractors, Plusoptix devices deliver outstanding measurement accuracy, as well as highest product quality, making it with the seal of quality "Made in Germany". Along with this promise, Plusoptix offers many solutions for optimal process integration and connection with your Electronic Medical Record and strives to provide state-of-the-art customer service.

Basic features in all devices

- Simultaneous measurement of both eyes
- 1 meter (3.3 feet) working distance $\pm 5\text{cm}$ ($\pm 2\text{ in}$)
- 0.5 second acquisition time
- Full refraction recording, i.e. sphere, cylinder, and axis
- Interpupillary distance, and pupil size readings
- Eye alignment, and asymmetry of gaze assessment

Binocular measurements from 1 meter (3.3 feet) away in less than 1 second enable measurements in infants (6 months and older). Therefore Plusoptix devices are often referred to as "Pediatric", but there is no limitation to children. Adults can be measured as well.

Technical Data	12C	12R
Touchscreen operation	5.7 Inch (Capacitive)	4.3 Inch (Resistive)
Weight	10 kg (33.3oz)	0.8 kg (28.2 oz)
Interfaces	2x USB, IR, SD WLAN	2x USB, IR, SD -
Power Supply	6x rechargeable AA batteries	
Voltage/Frequency	100 - 120 V / 220 - 240 VAC / 50 - 50 Hz	

plusoptix VISION SCREENER

 made
in
Germany



Accurate



Award-winning



Reliable



Compatible

Technical Data	12C	12R
Touchscreen operation	Binocular infrared photorefraction with unique 54 LED illumination	
Measurement range	-7.00 to +5.00 dpt in 0.25 dpt increments	
Pupil size	4.0 to 8.0 mm in 0.1 mm increments	
Acquisition time	Dynamic, in average 0.5 sec	
Measuring distance	1m ± 5cm (3.3 ft ± 2 in)	
Fixation target	Warble sound and Smiley face	
Certifications	FDA (USA), Health Canada (Canada), CE (Europe)	
Standards	EN 60601 -1	

Application

The purpose of a Plusoptix Vision Screener is to empower primary health care providers to detect most prevalent vision disorders in children as early as possible. The earlier a vision disorder is detected the better it can be treated, and Amblyopia, i.e. a lazy eye, can be prevented. Both eyes are measured simultaneously from one meter (i.e. 3.3 feet) away in less than one second. Measurement results are compared to age specific thresholds and a "Pass" or "Refer" vision screening result is displayed, immediately. Children with a "Refer" vision screening result need to be sent to an eye care professional for a follow-up eye examination.

Feature include

- Simultaneous measurement of both eyes
- 1 meter (3.3 feet) working distance ±5cm (±2 in)
- 0.5 second acquisition time
- Analysis of Hyperopia, Myopia, Astigmatism, Anisometropia, Anisocoria, and Eye alignment
- Instant "Pass" or "Refer" vision screening result
- Full refraction recording, i.e. sphere, cylinder, and axis for follow-up eye examination.

Plusoptix Vision Screening is recommended by 2016 AAP Policy statement "Visual System Assessment in Infants, Children, and Young Adults by Pediatricians".

**The contents of the brochure may differ from the current status of approval of the product or service offered. Please contact our representatives for more information. Subject to changes in design and scope of delivery and due to ongoing technical development.



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