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KINYA

Key Innovation in Your Access

Posterior Vitrectomy and Phaco Emulsification System

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► POSTERIOR VITRECTOMY SYSTEM

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



- Cut rate of 10,000 cuts per min
- 20,000 cuts per min with dual blade cutter
- Venturi pumps
- 80Watt LED light source
- Automated infusion control

Emergency Control mode

User-Centric Design

Graphical User Interface (GUI)

(*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 V 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, with life span of 50,000 hours compatible with 23G, 25G, and 27G systems, providing exceptional illumination for intricate surgeries.

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



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



Viscous Fluid Function: Ensures smooth silicone oil injection and extraction process by linearly controlling injection pressure with up to 6.5 bar and an extraction vacuum up to 650 mmHg.

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 and infusion compensation for maintaining constant intraocular pressure.

Air-Fluid Exchange: Provides a broad range (0 - 200 mmHg) with an alternate pressure function, critical during complicated VR procedures.



Foot Switch: A linear multi functional pedal with six push buttons offers user-friendly operation, allowing surgeons to maintain focus while accessing different functions.

Prioritising safety and care

- ⦿ *Emergency Mode:* Uninterrupted care with foot pedal-free operation, even in scenarios like foot pedal malfunction during surgeries.
- ⦿ In case of unexpected power outages, the eye pressure will be sustained, whether in air or fluid.

Easy of Use

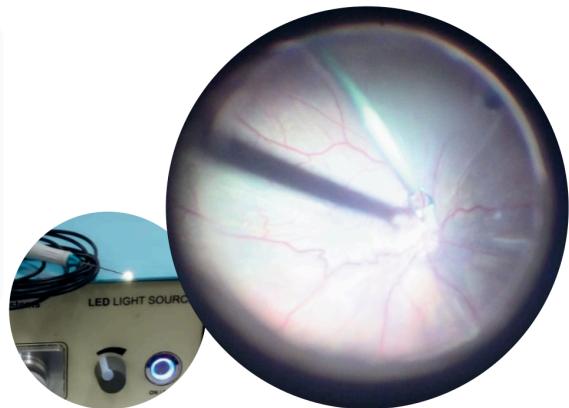
- ⦿ *Automatic Draining Cassette:* Enhances operational efficiency with an automatic draining system, reducing maintenance time and ensuring a clean, ready-to-use setup.
- ⦿ Separate line for extrusion, it can help in 25G and 27G surgery.
- ⦿ Alternate vacuum feature for PVD Induction.
- ⦿ PSI adjustment mechanism for using different cutters.

Specifications

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

V HOPE ► LED LIGHT SOURCE

Illuminate your medical procedures with our high-performance LED Light Source, offering optimal visibility and unparalleled reliability. Designed for a range of applications, this powerful 80W LED light source is an essential tool for healthcare professionals requiring consistent, high-quality illumination.



Illuminate with Precision

High-Intensity Lighting: At 80W power, this LED light provides a bright, white light with a color temperature of 6000 Kelvin for accurate tissue visualization.

Extended Lifespan: With a remarkable lifespan of 50,000 hours, our LED Light Source is a sustainable investment, minimizing the need for replacements and ensuring continuous operation.

Universal System Compatibility: Seamlessly integrates with 23G, 25G, and 27G systems, making it an adaptable solution for a variety of intricate surgeries.

Energy-Efficient Operation: Despite its high output, the unit has a modest power consumption of 110W, making it an energy-efficient choice for busy medical facilities.

Safety First: Classified as Class 1 with automatic over-temperature protection, this light source is built to the highest safety standards, ensuring patient and operator safety during prolonged use.

Universal Compatibility: The fiber optic compatibility with major brands allows for easy integration with existing medical equipment, offering versatility across different procedural requirements.

Lightweight and Portable: Weighing in at only 2.5 kg, this LED light source is designed for portability and ease of handling within the clinical setting.

Power Supply: Equipped to handle 230V with a frequency of 50Hz, suitable for standard electrical outlets in a clinical setting.

Designed for Durability: Engineered to meet the demands of a clinical environment with a robust build and easy-to-use interface.



Key Innovation in Your Access

V HOPE

► VITRECTOMY LITE

The V HOPE Vitrectomy LITE system is not just an assembly of tools; it is a cost effective suite of surgical instruments designed to empower ophthalmologists to perform at their best. From intricate vitreous cutting to precise fluid management, this system is the ally that surgeons can rely on for efficient, precise, and successful outcomes.

Innovative Vitrectomy Functionality

Dual-Mode Cutter: Experience exceptional cutting efficiency with a standard cut rate of **6000 cuts per minute**, and a remarkable dual-blade option reaching up to **12,000 cuts per minute** for delicate and precise vitreous removal.

Linear Vacuum Control: Achieve nuanced control over surgical maneuvers with a linear vacuum control, peaking at **650mmHg** for optimal removal of vitreous humor.



Advanced Illumination System

80W LED Light Source: Illuminate the surgical field with a powerful 80W LED light source, providing clear and consistent lighting that closely mimics natural daylight.

Enhanced Fluid Management

Air Injection: Deliver a stable air pressure up to 200 mmHg for precise fluid-air exchange procedures.

Silicone Oil Injection: Utilize a high-pressure silicone oil injection at **6.5 Bar**.



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