

ONE GIANT LEAP FOR VITREOUS SURGERY



constellation[®]
VISION SYSTEM

- ULTRAVIT[®] 5000 cpm vitrectomy probe with duty cycle control
- Integrated Pressurized Infusion & IOP Compensation
- Advanced Xenon Illumination
- Embedded 532 nm PUREPOINT[®] Laser
- With *Velocity*[®] Efficiency Components



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VISION SYSTEM



Key Features

- A Fluidics Module:**
 - Vacuum Control to 650 mmHg
 - Flow Control
 - IOP Compensation
 - Fluid/Air Exchange
- B Pneumatics:**
 - ULTRAVIT[®] 5000 cpm Probe
 - VFC Inject/Extrusion
 - Pneumatic Scissors/Forceps
 - Auto Gas Fill
- C Advanced Xenon Illuminator**
- D Embedded 532 nm PUREPOINT[®] Laser**
- E Display:**
 - 17" Touch Panel
 - Advanced GUI w/ Video DFUs
- F Barcode Scanner**
- G Articulating Tray Arm**
- H Auxiliary Advanced Xenon Illuminator**
- I Ultrasonics/Diathermy**
- J Multi-Function Footswitch**

Feature	Benefit
ULTRAVIT [®] High Speed Vitrectomy Probe	<ul style="list-style-type: none"> • 5000 cpm • Port optimization • Ergonomic design with soft grip surface • Removable rear shell provides extendable length option
Surgeon Controlled Duty Cycle - Port Biased Open, 50/50, Port Biased Closed	<ul style="list-style-type: none"> • Modify duty cycle to control flow independent of vacuum and cut rate • Ability to select 3 different duty cycle options at any given cut rate
Integrated Pressurized Infusion - IOP Compensation	<ul style="list-style-type: none"> • System constantly monitors infusion pressure • IOP Compensation provides control of infusion pressure which results in more stable IOP
Dual Aspiration Modalities	<ul style="list-style-type: none"> • Venturi based vacuum up to 650 mmHg • Flow control option for anterior and posterior procedures
Advanced Xenon Illuminator	<ul style="list-style-type: none"> • State of the art illumination for visualizing tissues
Embedded PUREPOINT [®] 532 nm Laser	<ul style="list-style-type: none"> • Advanced laser technology controlled from the screen
V-LOCITY [®] Efficiency Components - ENGAUGE [®] Radio Frequency Identification Device	<ul style="list-style-type: none"> • Optimize OR setup, enhance the surgical experience and increase OR productivity
Auto Infusion Valve	<ul style="list-style-type: none"> • Surgeon control of the fluid/air exchange without relying on the circulator
Auto Gas Fill	<ul style="list-style-type: none"> • Single-person sterile process • Automatic purge and fill of syringe with undiluted C₃F₈ and SF₆ gases between 28 and 56 seconds
Proportional Diathermy	<ul style="list-style-type: none"> • Ability to control diathermy power from the footswitch
Pneumatic Scissors & Forceps	<ul style="list-style-type: none"> • Footswitch control of forceps and scissors • Single footswitch control for bimanual surgery
Barcode Scanner	<ul style="list-style-type: none"> • Assists in the case set-up process • Automatically programs the machine with the pak content • Tracks disposable inventory usage during the procedure
Articulating Tray Arm	<ul style="list-style-type: none"> • Facilitates sterile setup before patient comes into the room
17" Articulating Display	<ul style="list-style-type: none"> • Facilitates easy access for standing or seated procedures • Easily accessed by the circulator
INFINITI [®] Vision System Ultrasonic Technology	<ul style="list-style-type: none"> • INFINITI[®] Vision System Ultrasonics with handpiece compatibility

