



Ophthalmic Surgical System
CV-9000



THE ART OF EYE CARE

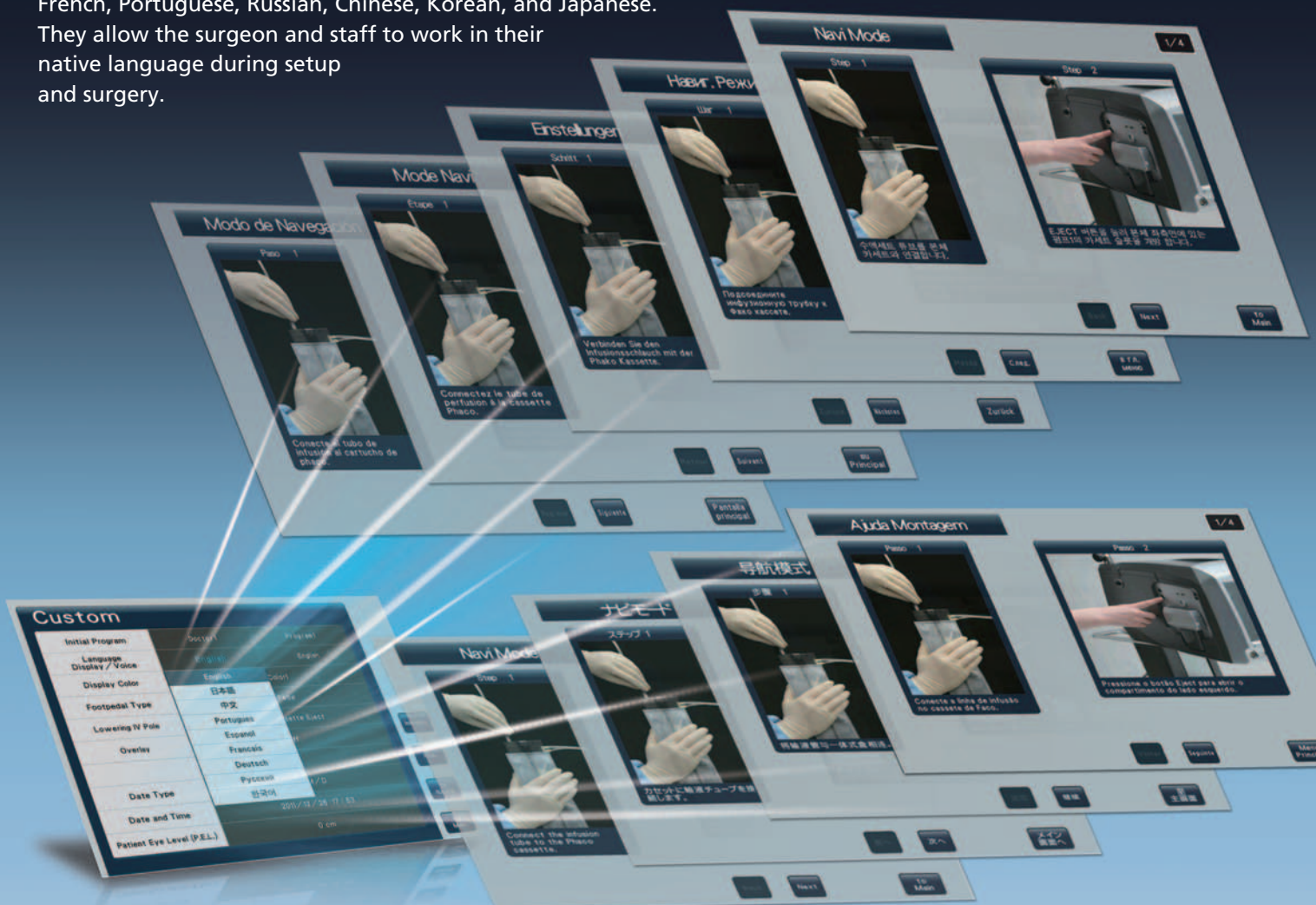
Intuitive Graphic User Interface with Pop-up Window

The intuitive design of the graphic user interface provides easy and quick operation. The pop-up window appears once the menu, icon, or parameter is touched, and enables the surgeon to activate function or to customize parameters.



Nine Languages for Universally Easy-to-use Operability

Nine languages are available including English, Spanish, German, French, Portuguese, Russian, Chinese, Korean, and Japanese. They allow the surgeon and staff to work in their native language during setup and surgery.



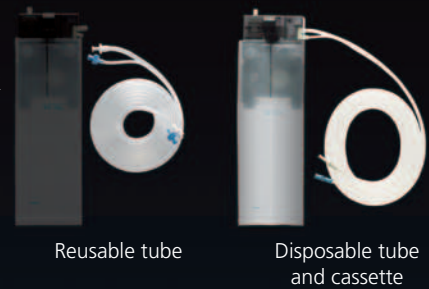
Newly Designed Handpiece

The newly designed handpiece allows easy intraoperative handling and enhanced durability.



Dual Tube Availability of Reusable and Disposable

Different cases may require reusable or disposable tubes. The CV-9000 is designed to work with both. The reusable tube can be autoclaved therefore minimize the costs associated with the disposable tube.



High-speed Cutter for Anterior Vitrectomy (1,000 cpm)

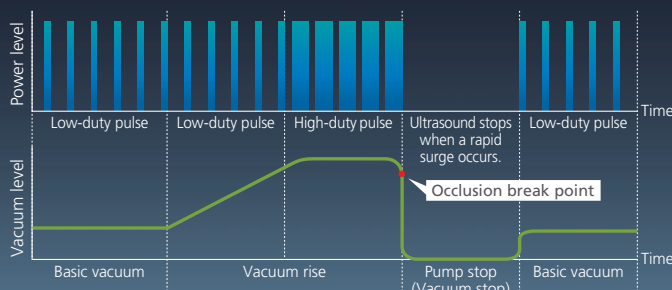
Anterior vitrectomy can be performed safely and efficiently with the high-speed vitreous cutter. It reduces risk of vitreous traction.

Enhanced Aspiration and Ultrasound with Optional Software

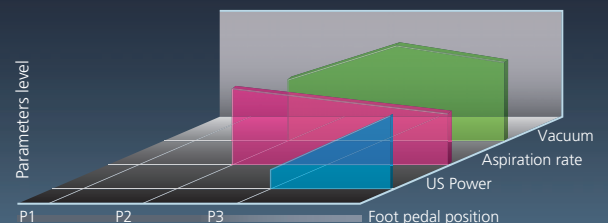
The CV-9000 provides three optional software packages, package A, package B, and package A + B, to enhance aspiration and ultrasound performance.

Package A (APS Plus and ProPedal)

The package A includes Auto Pulse System Plus (APS Plus) and ProPedal. The APS Plus automatically limits the duty of the ultrasound pulse to the optimum value for efficient emulsification and aspiration, reducing the risk of posterior capsule rupture. The ProPedal allows customized programming of the parameters for each foot pedal position.



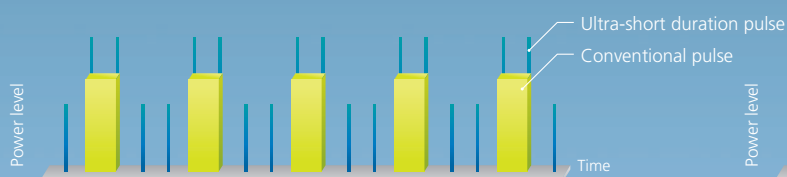
APS Plus - simulated graph of vacuum and power variation



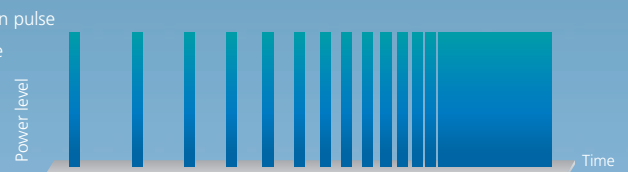
ProPedal - simulated graph of parameters variation

Package B (VIS and Burst mode)

The package B includes Variable Intervals and Strokes (VIS) and Burst mode. The VIS provides dual-oscillation of conventional and ultra-short duration pulses to enhance capture of the lens nucleus and efficient aspiration. The burst mode provides a burst of ultrasound power by controlling interval times between each oscillation.



VIS - simulated graph of dual-oscillation



Burst mode - simulated graph of interval time variation

Package A + B (APS Plus, ProPedal, VIS, and Burst mode)

The package A + B includes APS Plus, ProPedal, VIS, and Burst mode, and enables complete enhancement of aspiration and ultrasound.

CV-9000 Specifications

Application	Cataract surgery
Vacuum	
Pump type	Peristaltic pump
Vacuum setting	0 to 700 mmHg (I / A mode) 0 to 650 mmHg (US mode and Vit mode)
Flow rate	0 to 60 mL / min
Ultrasound	
Transducer	Piezoelectric
Frequency	40 kHz
Pulse mode	1 to 100 pulses / s
Diathermy	
Frequency	515 kHz
Output	0.5 to 10 W (5 to 100%)
Vitreous cutter	
Cutting system	Pneumatic driven guillotine system
Cutting rate	100 to 1,000 cuts / min (with built-in air compressor)
Power supply	AC 100 to 230 V 50 / 60 Hz
Power consumption	240 VA
Dimensions / Mass	317 (W) x 456 (D) x 295 (H) mm / 16 kg

Stand with motorized pole (optional)

Power supply	AC 100 / 115 / 230 V 50 / 60 Hz
Power consumption	300 VA (including CV-9000's power consumption)
Dimensions / Mass	452 (W) x 607 (D) x 1,616 to 2,216 (H) mm / 38 kg



Specifications and design are subject to change without notice.



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