

For more information about custom cold phaco with WHITESTAR® ICE Technology,
call 800-449-3060 or visit us online at www.sovereignsystem.com.



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SOVEREIGN® Compact Now With WHITESTAR® ICE Technology



DEVICEPHARM™

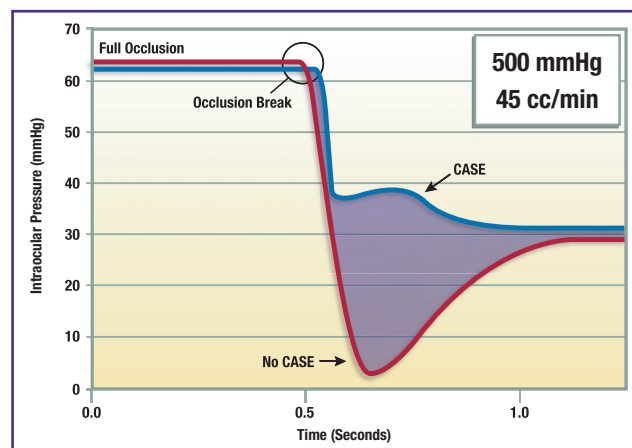
Maximize Your SOVEREIGN® Compact Potential With WHITESTAR® ICE Technology

WHITESTAR® ICE...Increased Control and Efficiency

Increased control

- ★ Only WHITESTAR® ICE **CASE** (ChAamber Stabilization Environment) technology optimizes fluidics during cataract removal while significantly reducing surge on occlusion break

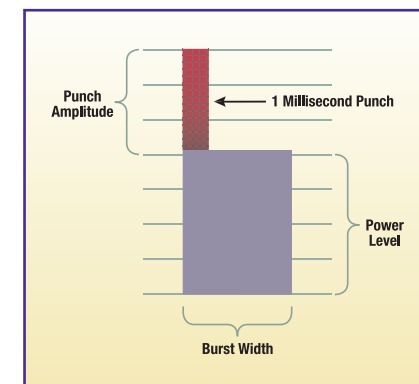
CASE Chamber Stabilization Test



Approximately 56% less surge at 500 mmHg, 45 cc/min and a 20 gauge phaco tip.¹

Increased efficiency

- ★ Only WHITESTAR® ICE patented ICE Pulse technology maximizes energy cutting efficiency by producing cavitation energy at the lowest energy threshold—more cutting with less energy



ICE Pulse shaping with pre-programmed millisecond energy punch on the front end of each pulse.

Upgrade to custom cold phaco with unique variable WHITESTAR® Technology

- ★ Accepts custom settings from a range of validated and clinically proven duty cycles
- ★ Provides each surgeon with linear control of two sets of variable WHITESTAR® Technology settings with the SOVEREIGN® Compact foot pedal
- ★ Facilitates the removal of all lens types by any technique

Simple soft lens removal

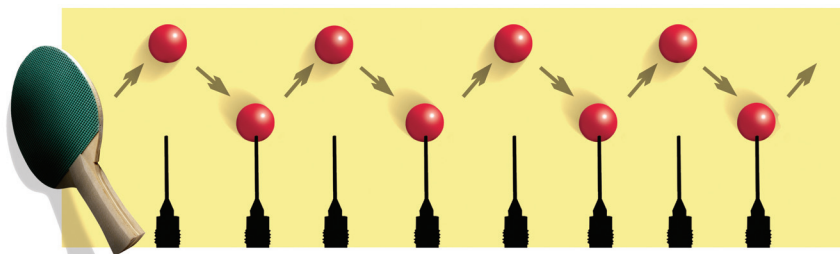
- ★ Reduces risk of capsular bag rupture¹
- ★ Uses little or no ultrasound
- ★ Accommodates surgeons' preference of surgical technique

Maximum Control and Safety in a Compact Package

Magnetic followability¹

- ★ Lens “follows” phaco tip throughout the procedure
- ★ Minimizes lens chatter and turbulence

Ping-Pong Effect (Continuous Ultrasound)



Magnetic Followability (WhiteStar™ Cold Phaco Technology)



WHITESTAR® Technology's proprietary microburst and microrest pattern creates magnetic followability between the phaco tip and the lens.

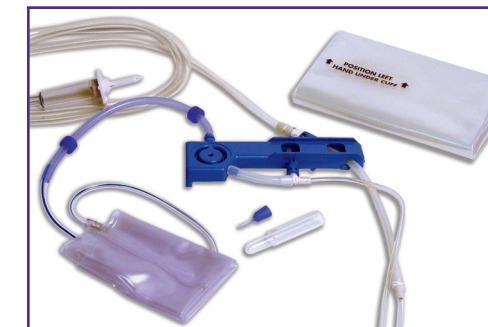
This reduces the ping-pong effect associated with conventional phaco and water-jet technologies, keeping the lens on the tip throughout the procedure for enhanced efficiency.

Advanced digital fluidics for excellent chamber stability

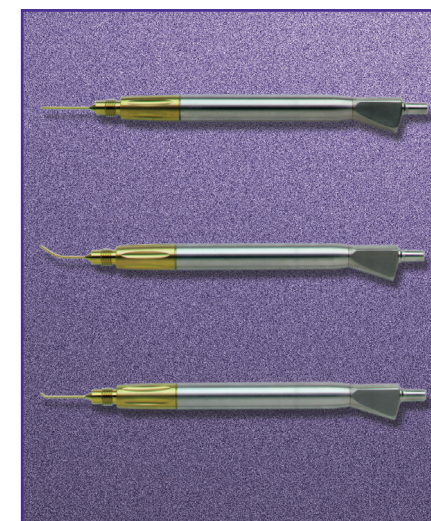
- ★ Patented microprocessor-based system continuously monitors and controls intraocular conditions for elegant cutting, even at 5% power
- ★ AMO's proprietary, programmable occlusion mode phaco virtually eliminates surges, even at high vacuum setting
- ★ Closed fluidic system prevents cross-contamination; no internal cleaning necessary

PHACO 1			EPT: 00:06.9
IV POLE: 65 cm			UST: 00:23.0
			AVG: 30.0%
MAX FLOW 22 PANEL	MAX VAC 50 LINEAR	MAX POWER 30 LINEAR CONTINUOUS	SUBMODE 3
OCCLUDED 22	THRESHOLD 35	OCCLUDED 30 LINEAR SHORT PULSE 6 pps	SETTINGS
22	48	30	OCCLUSION MODE OFF
ASP RATE cc/min	VACUUM mmHg	POWER %	RESET TIMERS
			END CASE

Aspiration rate and power can be independently programmed for pre- and postocclusion conditions.



The new OPO61 tube-catch design provides greater ease-of-use.



New SOVEREIGN® Compact accessories enhance fluidic performance.

SOVEREIGN® Compact

Small, easy-to-use system with WhiteStar® Technology

- ★ Advanced digital fluidics for excellent control and chamber stability
- ★ Wide range of programmable power options
- ★ Clinically proven custom phaco power delivers clearer corneas post-op day 1¹

Short learning curve

- ★ Fast, easy programming
- ★ Enhanced user interface for ease of use
- ★ Onboard memory for up to 16 surgeons' settings
- ★ Surgeon's preference of surgical technique

Superior cost savings

SOVEREIGN® Compact is cost effective to acquire and operate.

- ★ Instant Access Acquisition Program makes SOVEREIGN® Compact Technology available with no capital outlay
- ★ Choice of tubing options



Optional SOVEREIGN® Compact Open Toe Foot Pedal

Simplified setup for maximum efficiency

- ★ Onboard memory for up to 16 surgeons' settings
- ★ Fast, easy programming
- ★ Enhanced user interface offers ease of use

A full-featured system in a space-saving package

- ★ Choice of tubing options
- ★ Small size and light weight, needs less space in the operating room
- ★ Carrying cases available for console and footpedal, IV pole and cart
- ★ Optional SOVEREIGN® Compact open toe foot pedal
 - Full range of functionality
 - Comfortable heel rest
 - Accommodates any foot size

References:

1. Data on file. Advanced Medical Optics, Inc.