





Smart technology Smart investment



A smart synthesis of advanced technologies, functionality and reliability.

R-Evo smart[™] is a compact platform for cataract and retinal surgery, available in three different models that combine outstanding performance with innovative features.

The device boasts an easy-to-use touchscreen and a user-friendly GUI, as well as a super simple set-up, for everyday cost-effectiveness.



ADAPTIVE FLUIDICS

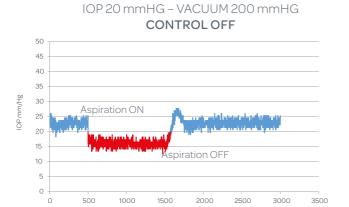


DYNAMIC IOP CONTROL SYSTEM

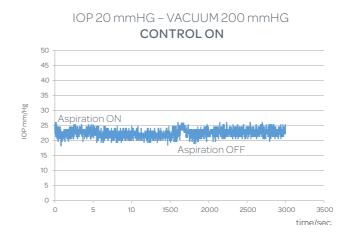
time/sec.

Designed to ensure maximum chamber stability and patient safety.

Dynamic IOP Control can maintain constant intraocular pressure, eliminating the risks of high pressure and surges.



The chart shows IOP fluctuations under active aspiration without a IOP control system



The chart shows a constant IOP value, even under active aspiration, with the Dynamic IOP Control System

Reference: Data on file, Optikon



MINIMAL STRESS TECHNOLOGY

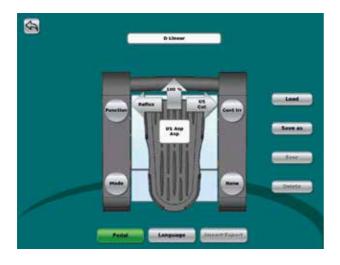
Measuring the actual phaco tip stroke during surgery, the patented Minimal Stress technology minimizes the energy delivered to the eye for a safer and more efficient surgery and faster patient rehabilitation.

LED LIGHTING SYSTEM

The complete R-Evo smart™ CR unit is equipped with two independent, high-efficiency LED light sources, free of harmful UV and IR emissions.

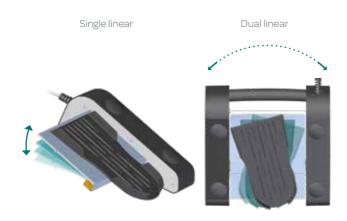
The LED lighting system allows surgeons to perfect tissue visualization and guarantees the maximum protection against phototoxicity.





FULL CONTROL FOOTPEDAL

Engineered for complete control, flexibility and comfort, the R-Evo smart[™] footpedal offers a wide range of programmability, precise performance and the highest level of safety.



Simultaneous linear control of two different system functions with smooth up-and-down and simple left-to-right movements.

Technical Specifications

FLUIDICS	R-EVO smart E	R-EVO smart S	R-EVO smart CR	ILLUMINATION	R-EVO smart E	R-EVO smart S	R-EVO smart CR
Pressure Controlled Infusion	•	•	•	2 Independent HID LED Sources	-	-	•
Dynamic IOP Control	•	•	•	Phototoxicity Filters	_	_	
Reflux	•	•	•	Colour Enhancing Filters			
Auto Venting	•	•	•	Spot, WA, Shielded WA			•
Disposable Unique I/A Cassette	•	•	•	Fiber Optics 20Ga, 23Ga, 25Ga, 27Ga	-	-	•
Reusable I/A Cassette	•	•	•	Multiple Ga Chandelier	-	-	•
Peristaltic Pump	•	•	•	AIR			
Venturi Pump	-	•	•	Air/Liquid Replacement	-	-	•
Linear/Panel Control	• <	S vit.	Defaul 20G Peristaltic	Pedal Footpedal Activation/	Save As		
PHACOEMULSIFICATION			VITRECTOMY	Disactivation			
Minimal Stress U/S Phaco	•	• 0	100 MRC: Low	Electric Pump	0 10	-	•
Four Crystal U/S Handpiece	•	7.	220	Automatic Stopcock	100 20	20 -	•
Six Crystal U/S Handpiece	•	5000 cut/mi	Linear	TAMPONADES (FLUIDS)	90	45	
U/S Emission Modes:				Injection 0.4-5 bar	= 65 	55 -	•
Continuous, Burst, Micro Duty Cycles Pulsed	•	- 200	+	Removal up to 650 mmHg	None OF	F None	•
HD Pulse (Occlusion Mode)	•	•	IRRIGATION	Aspiration	Peristaltīc 0	ASPIRATION	•
Autolimit				Linear/Panel Control	70	VACUUM Panel	•
(Occlusion U/S Power Limit)	•	140	35 mmHg 60	DIATHERMY 22 650	200	215	
Straight, Bent Phaco Tips 19Ga, 20Ga, 21Ga, 22Ga	•	113	73	Eso Diathermy	505 360	290	•
Linear/Panel Control		•	_ + M	Endo Diathermy	- +)	-	•
ANTERIOR VITRECTOMY				Eso Diathermy Instruments	•	•	•
Twedge™ Dual Blade Cutter 23Ga, 25Ga, 27Ga	•		•	Endo Diathermy Disposable Probes 23Ga, 25Ga, 27Ga	Fluids –	-	•
Cutting Rate up to				Linear/Panel Control	-	•	•
5,000 cuts/min			•	FOOTPEDAL			
(10,000 cuts/min with Twedge™ Technology)				Simultaneous Dual/Single Linear Control	•		•
Linear/Panel Control	•	•	(2).	TROLLEY			
POSTERIOR VITRECTOMY		ПС	57°	Integrated IV Pole	₩	or•IKS	•
Twedge™ Dual Blade Cutter 23Ga, 25Ga, 27Ga	-	-	• -0-	Integrated Tray	•	•	•
Cutting Rate up to 10,000 cuts/min	-	-	•				
Single Cut	-	-	•				
Endo Phaco	-	-	•				
Linear/Panel Control	-	-	•				

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