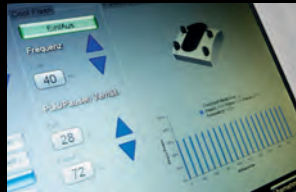


## HIGHLIGHTS IN THE ANTERIOR SEGMENT



- + optimization of the applied ultrasound energy
- + excellent chamber stability
- + internal compressor



- + revolutionary hybrid pump system with hot-switch function and venturi-effect in the peristaltic mode
- + intelligent fluidics management
- + maximum exploitation of cavitation



- + security of investment due to upgradability
- + low and controllable costs per case
- + auto-tuning for a long durability of the handpieces
- + "one cassette for everything" – no intraoperative change



- + maximum mobility and modularity
- + large variety of accessories
- + individually programmable dual-linear footswitch
- + text-to-speech in eight different languages
- + input languages: various European languages, Arabic and Chinese

## TECHNICAL DATA

### GENERAL INFORMATION

DIMENSIONS (L X W X H) ..... 420 x 420 x 370 mm  
WEIGHT ..... max. 25 kg

### POWER SUPPLY

VOLTAGE ..... 100 – 240 V  
FREQUENCY ..... 50/60 Hz  
POWER CONSUMPTION ..... max: 100-400 V/W / 240 – 400 V/W

### PERISTALTIC PUMP

VACUUM (LINEAR, EXPONENTIAL AND FIX CONTROL) ..... 1 – 600 mm Hg  
ASPIRATION (LINEAR AND FIX CONTROL) ..... 1 – 50 ml/min  
PULSATION FREQUENCY (ADJUSTABLE) ..... 10 Hz  
RISE TIME (ADJUSTABLE) ..... 0,5 – 5 s

### DIRECT CONTROL PUMP

VACUUM (LINEAR, EXPONENTIAL AND FIX CONTROL) ..... 1 – 600 mm Hg  
RISE TIME (ADJUSTABLE) ..... 0,5 – 5 s

### COLD LIGHT

OCULED CONNECTOR / OPTIONAL XENON LIGHT SOURCE

### ULTRASOUND

FREQUENCY RANGE ..... 27 – 55 kHz  
POWER OUTPUT (LINEAR, EXPONENTIAL AND FIX CONTROL) ..... 0 – 100%  
PULSATION (ADJUSTABLE) ..... 1 – 60 Hz  
PULSE TIME (ADJUSTABLE) ..... 2 – 900 ms

### VITRECTOMY

CUT RATE (LINEAR, EXPONENTIAL AND FIX CONTROL)  
MAGNETIC ..... 10 – 2,000/4,000\* 1/min  
PNEUMATIC UNO COLORLINE MACH2 ..... 20 – 12,000 1/min  
PNEUMATIC UNO COLORLINE ..... 10 – 6,000 1/min

### AIR / OIL INJECTION

AIR INJECTION (ADJUSTABLE) ..... 0 – 100 mm Hg  
OIL INJECTION (ADJUSTABLE) ..... 0,5 – 6 bar

### BIPOLAR DIATHERMY

BIPOLAR WETFIELD COAGULATION  
ENDO-DIATHERMY  
POWER OUTPUT (LINEAR AND FIX CONTROL) ..... 0 – 15 W  
PULSATION (ADJUSTABLE) ..... 1 – 20 Hz

\*with MegaVIT G-30910 and G-30985

GEUDER AG reserves the right to make changes to technical details in response to recent developments. GEUDER does not assume liability for the accuracy of each individual statement. Illustrations not drawn to scale.

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# POLE POSITION.

THE NEW MEGATRON S4 HPS  
HIGH PERFORMANCE SYSTEM - SOPHISTICATED TECHNOLOGY  
FOR MAXIMUM PERFORMANCE



megaTRON<sup>®</sup> S4<sup>HPS</sup>

**Geuder**<sup>®</sup>  
Precision made in Germany

**Geuder**<sup>®</sup>  
Precision made in Germany

megaTRON S4<sup>HPS</sup>

## MAXIMUM PERFORMANCE FOR HIGHEST DEMANDS IN THE ANTERIOR AND POSTERIOR SEGMENT

The lead is taken by whoever delivers the best performance – and starts from a promising position. Make sure to have the Pole Position. With the sophisticated technology of the new megaTRON S4<sup>HPS</sup> you will achieve a maximum of safety, efficiency, cost effectiveness and flexibility.

The revolutionary hybrid pump system is only one of the numerous features which make the new megaTRON S4<sup>HPS</sup> one of the most powerful device systems for the anterior and posterior segment. In combination with the UNO Colorline MACH2 vitreous cutters from now on cut rates of up to 12,000 cpm are possible. The optional endolaser endoTRON532 and the xenon light-source xenoTRON III complete the megaTRON S4<sup>HPS</sup> and make it an all-rounder in vitrectomy.

Of course we provide you with a large variety of accessories for the anterior and posterior segment – perfectly adjusted to the complete megaTRON S4<sup>HPS</sup>.

## HIGHLIGHTS IN THE POSTERIOR SEGMENT

### SAFETY



- + **no TRACTION** – maximum safety at the vitreous base
- + perfect aspiration management with the UNO Colorline MACH2 vitreous cutter
- + revolutionary hybrid pump system with hot-switch function and venturi-effect in the peristaltic mode
- + medication timer

### EFFICIENCY



- + liquidization of the vitreous at 12,000 cpm\*
- + optimum duty cycle management system
- + fast core vitrectomy
- + integrated control for endoTRON532

### COST EFFECTIVENESS



- + internal compressor
- + low and controllable costs per case
- + full downward compatibility

### FLEXIBILITY



- + maximum modularization and upgradability
- + individually configurable accessories in all usual sizes
- + combination footswitch for endoTRON532 and megaTRON S4<sup>HPS</sup>
- + text-to-speech in eight different languages
- + input languages: various European languages, Arabic and Chinese

UP TO  
12,000  
CPM\*



\* in combination with UNO Colorline MACH2 vitreous cutters