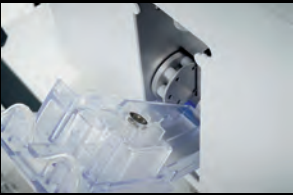
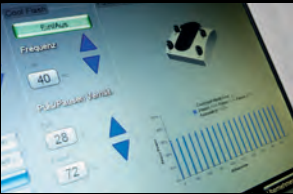


HIGHLIGHTS IN THE ANTERIOR SEGMENT



- + 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

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Precision made in Germany

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[®] S4^{HPS}

Geuder
Precision made in Germany

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OSGHSF

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^{HPS} 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^{HPS} 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^{HPS} 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^{HPS}.

HIGHLIGHTS IN THE POSTERIOR SEGMENT

SAFETY



- + **noTRACTION** – 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^{HPS}
- + text-to-speech in eight different languages
- + input languages: various European languages, Arabic and Chinese

* in combination with UNO Colorline MACH2 vitreous cutters

UP TO
12,000
CPM*

