ACTUAL VENTURI EFFECT
- No external pneumatic assistance
- Extremely short vacuum rise time of 0.5 seconds possible, allowing for
  "Magnetic" aspiration of fragments when US and I/A tips are placed centrally

ALL TYPICAL PERISTALTIC ADVANTAGES
- MSA – Membrane Soft Aspiration for total vacuum control of the retina
- Vacuum and flow rate can be controlled separately
- Minimum loss of fluid through anterior chamber
- Pulsed aspiration

AND MORE...
- Oil injection pressure adjustable to accommodate different viscosities
- High vacuum phaco for use with GEUDER® Mega-Tips
- Can be programmed for several surgeons and multiple procedures
- Footswitch functions can be programmed to suit individual preferences
- The infusion stand can be controlled electronically
- Audiovisual control signals are available for infusion, aspiration, vacuum, ultrasonic power and diathermy
- No expensive cassette system, resulting in low average costs per operation
- Real-time vac sensor sterilizable at 134º C (273.2º F)
- Automatic self-test and tuning of functions at activation
- Remote Control

GEUDER AG reserves the right to make changes to technical details in response to recent developments.
GEUDER AG does not assume liability for the accuracy of each individual statement.
Restriction: Some GEUDER® products are not available for sale in certain countries where the products have not received investigational/clinical/marketing approval.
Please contact GEUDER AG for more information or for an itemized list of these products.

Certification according
DIN EN ISO 9001:2000
DIN EN ISO 13485:2003

G-28252 EC MEGATRON® COOL, III-PV
Microprocessor controlled ophthalmic surgical system with I/A system, ultrasonic incl. "Cool Flash" Mode for MICS (bimanual Phaco), vitrectomy (magnetic and pneumatic) and diathermy incl. Real Time Vac Sensor G-29850

G-28251 EC MEGATRON® COOL, III-PLUS
Microprocessor controlled ophthalmic surgical system with I/A system, ultrasonic incl. "Cool Flash" Mode for MICS (bimanual Phaco), vitrectomy (magnetic and pneumatic), air-fluid exchange, silicone oil injection and diathermy, incl. Real Time Vac Sensor G-29850

G-28101 EC MEGATRON® COOL, I-PLUS
Microprocessor controlled ophthalmic surgical system with I/A system, ultrasonic incl. "Cool Flash" Mode for MICS (bimanual Phaco), vitrectomy (magnetic and pneumatic), air-fluid exchange, diathermy and cold light incl. Real Time Vac Sensor G-29850

Microprocessor Controlled Ophthalmic Surgical System

FOR ANTERIOR AND POSTERIOR SEGMENT SURGERIES

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MEGATRON® COOL FOR MICS – MICRO INCISION CATARACT SURGERY

The optimum MICS settings of the advanced MEGATRON® S3 System with Cool Flash Mode Technology have now been transferred to the new MEGATRON® COOL as well.

MEGATRON® COOL Phaco Technology significantly reduces the ultrasonic power emitted: on average, when compared to the traditional pulse mode, the ultrasonic time is reduced by 50%!

By means of micro-incisions, the fine modulated and effective microbursts allow for the emulsification without burning of even the hardest nuclei. The tight incisions reduce the occurrence of turbulences and chatters.

This new technology yields excellent post-op results, such as clearer corneas and faster visual recovery because the smaller incisions and reduced ultrasonic energy and decreased occurrence of turbulences lessen endothelial cell loss and trauma.

MINI MEGA ULTRASONIC TIP*
- Unique patented design
- Emulsification inside the tip
- Significant reduction of phaco power and time
- Improved fluidics for high vacuum phaco and enhanced control of nucleus removal

IRRIGATING CHOPPERS AND BIN MaLIR IRaGRaTING/ASPIRATING HANDPIECES*
- Widest range of accessories for systems
- Irrigating Instruments provide high infusion flow for perfect anterior chamber stability

MICS INSTRUMENTS*
- 20 gauge forceps and scissors
- MICS diamond and disposable knives

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For more detailed information please view our online catalog at www.geuder.de or ask for a catalog to be sent by mail.

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1 Mini-Mega-Ultrasonic Tip G-24070; 2 Irrigating Choppers, e.g.: G-32014, G-32055, G-32284, G-32019 / IA-Handpieces, e.g.: G-33028/G-33026, G-33011/G-33012, G-33019/G-33016
2 Forceps; e.g.: G-32934; G-32935; G-32932; G-32933 / Scissors, e.g.: G-32940 / Knives, e.g.: G-34152, G-34148

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MEGATRON® COOL PHACO TECHNOLOGY
- Continuous ultrasound
- Traditional pulse mode
- Cool phaco technology

MEGATRON® PERISTALTIC PUMP
- Realistic Venturi Effect
- Ideal for high vacuum phaco
- "Magnetic" fragment aspiration

MEGATRON® FOOTSWITCH
- Dual-linear control
- Remote control of console
- Remote control of infusion pole

REAL-TIME VAC SENSOR
- Real-time vacuum sensor and air free aspiration line for maximum anterior chamber stability

GEUDER® ULTRASONIC HANDPIECES
- Constant stroke during handpiece lifetime
- Multilayer handpieces for perfect efficiency and longevity
- Only one handpiece needed for phaco, cool phaco and fragmentation

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