

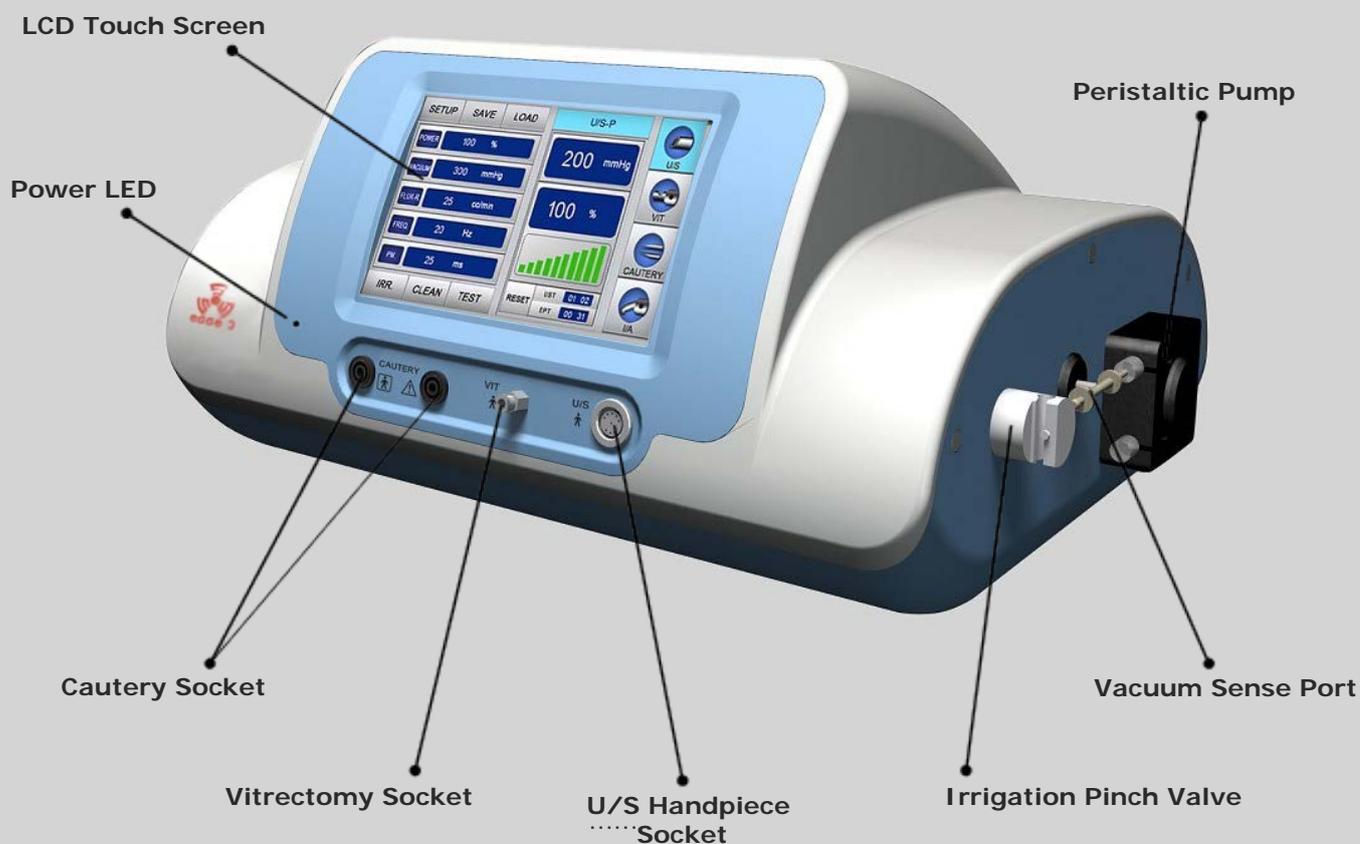


ESMD-480A

Diagnostik und Therapie



OPHTHALMOLOGY / ENT



- All parts of the system are fully controlled and monitored by Microprocessor Technology
- Smoothly and efficiently controlling the emulsifier process with digital frequency tracing technology of handpiece
- Easy operation and user-friendly interface with large TFT touch screen and functional menu
- Up to 10 sets of parameters preset meet different requirements and simplify the surgery operation
- Auto test checks tubing and handpiece problems (block or leakage)
- The peristaltic pump gives complete control of aspiration flow rate as well as freedom from anterior chamber shallowing. This way can give stronger suction when working in I/A
- Built-in Vitrectomy and Cautery
- Intelligent Voice Reminder



Technical Features

Ultrasonic Emulsification (U/S)

Frequency	40kHz
Functional mode	Continuance, Pulse, Linear, Burst
Continuance	Emulsifying power Range: 0 ~ 100
Pulse	Frequency Range 1 ~ 99Hz
Linear	Emulsifying power linearly controlled by the footswitch, 0~100%
Burst-Stopping Time	1.5 ~ 0s
Burst-Working Time	5 ~ 100ms
Maximum Vacuum	500 mmHg
Maximum Flux Rate	40 ml/min

Irrigation/Aspiration

Source	Peristaltic Pump
Flux Rate	0 ~ 40 ml/min
Reflux Rate	20 ml/min
Max Vacuum	0 ~ 500 mmHg

VIT (Vitreotomy)

Cutting Power Source	Air Pump
Reflux Rate	20 ~ 600/min, step 10/min
Max Vacuum	500 mmHg
Maximum Flux Rate	40 ml/min

Cautery

Maximum Power	10 W ± 20 % (200Ω)
Type	Bipolar
Power preset between	0 ~ 100%

Working Conditions

Power supply	AC220V± 10%. 50Hz± 2%
Temperature	10°C-30°C
Relative Humidity	<70%



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