



# ES-YAGLAS + ES-532

YAG laser and Argon laser



OPHTHALMOLOGY / ENT



## YAG Laser Features

- Compact and light-weight for portability
- Excellent Quality Optics for clear image and good laser delivery
- Full Slit-lamp functions including 5 step magnification changer
- Longer focal length for deep set eyes
- Micro processor controlled with many built in safety features
- CQ-YAG Crystal Laser Q-Switch for reliability
- Anterior and Posterior YAG Laser Offset of 500 Microns

## YAG Laser Specification

Treatment Laser Type:	Nd:YAG
Wavelength:	1064nm
Mode:	Fundamental
	Q-switched
Energy:	Continuously
	adjustable from
	0.2 to 10 mj
Spot Size	8 microns
Burst Mode:	1,2,3,pulses each burst. Separation between pulse is 25 $\mu$ s
Pulse Width:	4 nano-sec ( typical )
Repetition Rate:	Maximum 0.4s per pulse or 2.5Hz
YAG Laser Offset Shift:	Continuously adjustable of up to 500 $\mu$ m both anterior and posterior around Aiming Focal Plane.
Focal Length:	107mm
Cone Angle:	16 Degrees
Magnification:	5 step
Slit-lamp	CSO SL 950
Aiming Beam Laser:	Dual beam 635 nm diode continuously variable intensity to 200 $\mu$ W
Electrical Power:	100V - 240V AC, 50 / 60 Hz
Cooling System:	Air Convection.
Dimensions(TOTAL)	520mm(H) X 340mm(W) X 450mm(D)
Weight:	21kgms

### Optional Accessories:

- Ophthalmic Laser Lenses
- Motorized stand and table ( C-Type or T-Type)
- Beam Splitter and Observation Tube
- Camera and Video Adapters



## Argon Laser Features

- Electrical Input: 100 to 230 Vac. 50/60 Hz Single phase
- Power: 400W
- Fuse rating: T3.15AH250V @ 100-230Vac (T ime Lag) Temperature Range: Transport: -10 to 70° C
- Operating: 15 to 30° C Storage: -10 to 55° C
- Relative Humidity Range: Operating: 30% - 85% non-condensing
- Storage and Transport: Up to 95% non-Condensing
- Atmospheric pressure: Operating: 800-1060 mbar
- Storage and Transport: 500-1060 mbar
- Cooling System: Fan cooled and TEC's for Laser Diode and Crystal
- Dimensions (Total): 130mm(H) x 370mm(W) x 330mm(D)
- Weight: 13 Kg (System) 20 Kg (Packed)

## Argon Laser Treatment

- Laser Type: Diode Pumped Frequency Doubled YAG
- Wavelength: 532 nm
- Mode of Operation: CW
- Power Output: 2 W Maximum to Patients Cornea. Power from Delivery



## Argon Laser Panel

- Adjustment : Variable from 0.05 to 2.0 W
- Exposure Duration : 0.01, 0.02, 0.03, 0.04, 0.05, 0.06, 0.08, 0.1, 0.15 and 0.2 to 3.0s is 0.1s increment
- Repeat Interval : Selectable from 0.01 to 3.0 secs and equal to or greater than exposure duration in same discrete steps as duration
- Doctor Safety Filter : OD4 at 532 nm
- Safety Class : Class 4
- Power Display accuracy: Better than +/-20% of actual
- Beam Divergence : < 0.2 NA
- Laser Type : Red Laser Diode
- Wavelength : 635-650 nm (Red)
- Mode of operation : Continuous Wave
- (CW) Output power : Maximum of 1.0mW
- Power adjustment : Continuously variable
- Safety Class : Class 2

### Optional Accessories

Footswitch with 3-KeysWireless



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