

# EX100 High Power Excimer Laser



## SPECIFICATIONS

PARAMETER	F2	ArF	KrF	XeCl	XeF
Wavelength nm	157	193	248	308	351
Energy Max. mJ	10	75	125	65	60
Average Power W @ 125 Hz	1	8	12	6.5	6
Average Power W @ 250 Hz	2	16	24	13	10
Dynamic gas lifetime Pulses to 50% energy	10E7	15E6	20E6	20E6	20E6
Shelf life approx. to 50% energy	15 days	60 days	90 days	>6 months	90 Days
Repetition Rate	60/125/250/500 Hz				
Pulse Length	15-22 nS				
Beam Size	10 x 5 mm V x H				
Stability	< 2% Standard Deviation				
Divergence	0.8 x 1.5 mRad Full angle				
Cooling	Air / Water				
Tube Service	2 Billion Pulses				
Electrical Power	100-240 VAC, 15 Amp				
Dimensions	120 x 44 x 30 mm				
Weight	65 kg				

## FEATURES

- High Power Excimer Laser
- 2nS Low trigger jitter
- Excellent pulse to pulse stability
- Long Gas Lifetime
- Long Life Optics
- Corona Pre-Ionization
- On-Board Vacuum Pump

## APPLICATIONS

- Replacement Medical Lasers
- Ionization source
- Micromachining
- Precision Marking
- Refractive Surgery
- Raman spectroscopy



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