



ATL Lasertechnik Advanced Technology Lasers



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ATLEX 500 L

New industrial excimer lasers



ATLEX-500-L main features:

- TMC (Total-Metal-Ceramic) Vessel
- Corona Preionization
- Solid state switch
- Extended Dynamic & Static Gas-Lifetime (Several Months)
- Laser Head Volume 6 l
- Air Cooled / Optional Liquid Cooled
- RS-485, RS232, USB and fiber optic Interface for system integration
- Flushable optics holder
- Integrated 4-Valve System for Easy Gas Handling
- Energy stabilization mode
- Dynamic fan speed controls
- Meets European CE-standard, RoHS compliant
- Modular Design / Service Friendly

Details

Date • 30th October 2019

ATLEX-500-L Specifications			
Gas Medium	ArF	KrF	Units
Wavelength	193	248	nm
High Voltage Switching Technique	Solid State Switch		
Max. Pulse Energy ¹	10	15	mJ
Max. Average Power	4.0	6.5	W
Max. Rep Rate	500		Hz
Pulse Duration ²	5 – 8		ns
Beam Dimensions ² (V x H)	6 x 4		mm
Beam Divergence ² (V x H)	2 x 1		mrاد
Energy Stability (standard deviation)	< 2		%
Dimensions (LxWxH) click here for details	600 x 415 x 567		mm
Weight	70		kg
Cooling	Cooling Air / Optional Liquid		
Power requirement	230 VAC / 10 A / 1 Phase / 50-60 Hz		

All specifications are typical data and subject to change without notice due to product improvements.

¹ Measured at low rep.rates; allow 10% reduction of output energy and power for laser equipped with stabilization mode.

² Typical value, FWHM