



# ATL Lasertechnik

## Advanced Technology Lasers



[ABOUT ATL](#)

[CAREERS](#)

[PRODUCTS](#)

[ATLEX SERIES](#)

[APPLICATIONS](#)

### ATLEX 300 I

A new generation of compact air-cooled, high repetition rate excimer lasers, designed for low- and mid-range duty cycle applications



#### ATLEX-300-I main features:

- Soft corona preionization
- HV-solid state pulser
- Laser head volume < 3l
- TMC (Total-Metal-Ceramic) Vessel
- Integrated vacuum pump & halogen filter
- Air Cooled / Optional Liquid Cooled, active thermal management
- RS-485, RS232, USB and fiber optic Interface for system integration
- Flushable optics holder
- Energy stabilization mode
- Dynamic fan speed controls
- Meets European CE-standard
- RoHS compliance

#### Details

#### **Applications**

- Micromachining
- Laser ablation
- Medicine (refractive surgery)
- Spectroscopy
- Metrology

#### **Date**

- 30th April 2015

ATLEX-300-I Specifications						
Gas Medium	F2	ArF	KrF	XeCl	XeF	Units
Wavelength	157	193	248	308	351	nm
High Voltage Switching Technique	Solid State Switch					
Max. Pulse Energy <sup>1</sup>	1	10	15	8	7	mJ
Max. Average Power	0.2	2.4	4.0	2.0	1.7	W
Max. Rep Rate						
ATLEX-300-I	300					Hz
Pulse Duration <sup>2</sup>	5 – 8					ns
Beam Dimensions <sup>2</sup> (V x H)	4 x 6					mm
Beam Divergence <sup>2</sup> (V x H)	1 x 2					mrad
Energy Stability (standard deviation)	< 3					%
Dimensions (LxWxH) <a href="#">click here</a> for details	540 x 470 x 370					mm
Weight	60					kg
Cooling	Cooling Air / Optional Liquid					
Power requirement	230 VAC / 6,3 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

---

**ATL Lasertechnik GmbH**

Burger Str. 28  
D-42929 Wermelskirchen  
Germany

Tel: +49 2196 88 79 893  
Fax: +49 2196 88 79 895  
Ust. - IdNr: DE 179289235

---

Copyrights © 2023 & All Rights Reserved by ATL Lasertechnik GmbH  
[Impressum](#)  
[Datenschutzerklärung](#)

---