

EXCIMER LASER EX-300

SMALL AND POWERFUL

BLS provides superior Excimer laser technology and solutions for medical, industrial and scientific applications, with a special focus on laser systems reliability.

APPLICATIONS

- Photo ablation and Micromachining
- Fibre Bragg grating
- Semiconductor processing
- Surface analysis
- Laser ionisation mass spectroscopy
- Photochemistry

LASER MEDIUM	F₂	ArF	KrF	N₂	<i>UNIT</i>
WAVELENGTH	157	193	248	337	nm
PULSE ENERGY	1.3	7	8.5	0.3	mJ
BEAM DIMENSIONS	2.1x2.3	2.8x3	4x3	4x3	mm
AVERAGE POWER	270	2000	2500	90	mW
GAS FILL LIFETIME	0.5x10 ⁶	2.5x10 ⁶	3x10 ⁶	10 ⁷	SHOTS



COMPUTER CONTROLLED

PULSE DURATION: **5 ns (typical)**

PEAK POWER: **2 MW**

MAX REPETITION RATE: **300 Hz**

PULSE-TO PULSE STABILITY: **3 %**

BEAM DIVERGENCE: **3.5x2 mrad**

TIMING JITTER: **1 ns**

POWER REQUIREMENTS: **Universal Input 100...240 VAC, 50...60 Hz, 360 W**

COOLING: **air**

DIMENSIONS: **38x40x18 cm, WEIGHT: 16 kg**