

## LASER CEX-100

### Compact Excimer Lasers



- CEX-100 is the most compact excimer laser in its power class .
- Smallest in the world excimer laser for wide range of applications.
- Compliant with EMC directives EVS-EN 55022 and EVS-EN61000-4 series
- In use as UV-B and UV-C light source in industrial and environmental applications.

Laser Medium	ArF	KrF	XeCl	UNIT
Wavelength	193	248	308	nm
Pulse Energy	4.0	5.0	2.0	mJ
Average Power	350	500	200	mW
Gas Fill Lifetime	10 <sup>6</sup>	10 <sup>6</sup>	10 <sup>7</sup>	SHOTS

### Design

- It is designed as an air cooled single unit with integrated power supply, AC input line voltage, long life thyratron, single gas optics and halogen compatible construction.



## Technical Specification

Pulse Repetition Rate	1-100 Hz
Pulse duration	5 ns
Pulse to Pulse stability	3 %
Laser control	External remote control / PC via RS232
Beam dimensions	3 ×3 mm
Power supply	100…240 VAC, 50…60 Hz
Power consumption	130 W at PRR 100 Hz

## Features



Operational on any side of the housing



Control with external panel or PC



Internal/External SYNCHRO



Light in weight & compact



Air Cooling



Easy use Commands: Start/STOP, PRR, HV



Integrated pulse energy sensor. Counter of laser pulses



One-push-button Gas Refill Module. Integrated pressure meter



Status reporting