

Excimer laser CLS-5000

Key Features

- Very high beam position stability
- Very high beam pointing stability
- High repetition rate
- Magnetic switch generator
- Compact excimer laser
- Built-in Energy monitor
- Energy stabilization

Applications

- Manufacturing of diffraction structures in optical fibers
- Materials processing
- Laser engraving (diamonds, optical elements)
- Laser vision correction
- Spectroscopy



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Type	ArF	KrF	XeCl
Wavelength (nm)*	193	248	308
Maximum pulse energy (mJ)	15	25	12
Maximum repetition rate (Hz)		500	
Pulse Duration (ns)	11	12	12
Stability of pulse energy (sigma, %)		< 2	
Beam Size (at 1/e ² of peak, V x H, mm)	6 x 3,5	6 x 4	6 x 4
Beam Divergency (FWHM, V x H mrad)		1 x 1	
Weight (kg)		85	
Dimensions (L x W x H, mm)		887 x 336 x 454	
Cooling		water < 1 l/min	
Power consumption		220V / 50Hz, 1 kW**	
Gas		1 premix cylinder	
Control		RS 232, Windows	

* - option wavelength 157 nm

** - option 110 V/60 Hz, 1000 VA

