

Excimer laser CL-5000

Key Features

- high lifetime pseudo spark high voltage switch
- power stabilization
- extended gas lifetime
- computer control
- single unit design
- premix gases

Application

- fiber bragg grating
- material treatment
- dermatology
- ophthalmology
- marking



Excimer laser CL-5000

	ArF	KrF	XeCl
Wavelength ¹	193 nm	248 nm	308 nm
Tube material	ceramic		
Preionization			
CL 5100 CL 5200 CL 5300	corona		
Nominal Pulse Energy	20 mJ	40 mJ	25 mJ
Average Power			
CL 5100 CL 5200 CL 5300	2 W 4 W 5 W	4 W 8 W 10 W	2.5 W 5 W 7 W
Max repetition rate			
CL 5100 CL 5200 CL 5300	100 Hz 200 Hz 300 Hz		
Pulse Duration ²	8-10 ns	9-11 ns	
Stability of pulse energy	sigma < 2%		
Beam Size ²	5 x 12 mm	6 x 12 mm	
Beam Divergency ²	2 x 4 mrad (stable resonator)		
Time jitter	< 2 ns		
Dimensions, weight	780 x 330 x 583 mm, 80 kg		
Cooling			
CL 5100 CL 5200/5300	air water < 1 liter/min		
Power	220 V / 50 Hz, 10 A, not more than 1000 VA		
Gas	1 premix cylinder		
Control	RS 232 or RS 432 (on request), Windows 7 compatible		

1 - it is possible to work on 157 nm

2 - FW HM

