

EX5A Mini Excimer Laser



SPECIFICATIONS

PARAMETER	F2	ArF	KrF	XeCl	XeF
Wavelength nm	157	193	248	308	351
Energy Max. mJ	1.5	14	20	12	8
Peak Power, MW	0.3	2.0	2.5	1.25	0.8
Average Power W @ 250 Hz	0.3	3.0	5.0	2.5	1.4
Average Power W @ 500 Hz	0.5	6.0	8.0	4.0	2.5
Dynamic gas lifetime Pulses to 50% energy	10E6	12E6	18E6	20E6	15E6
Shelf life approx. to 50% energy	10 days	15 days	30 days	>2 months	30 Days
Repetition Rate	250/500/1000 Hz				
Pulse Length	8-10 nS				
Beam Size	6 x 3 mm V x H				
Stability	< 2% Standard Deviation				
Divergence	2 x 1 mRad V x H				
Cooling	Air				
Tube Service	~ 5 Billion Pulses				
Electrical Power	120 VAC, 5 Amp, 600 W				
Dimensions	47 x 25 x 25 cm				
Weight	15 kg				

FEATURES

- Most powerful mini excimer laser
- Mini Compact package
- Ultra Low trigger jitter
- Excellent pulse to pulse stability
- Long Gas Lifetime
- Long Life Optics
- Corona Prelonization

APPLICATIONS

- Replacement Medical Lasers
- Ionization source
- Micromachining
- Precision Marking
- Refractive Surgery
- Raman spectroscopy



GAM Laser, Inc

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Made in USA

EX5 Mini Excimer Laser



SPECIFICATIONS

PARAMETER	F2	ArF	KrF	XeCl	XeF
Wavelength nm	157	193	248	308	351
Energy Max. mJ	1.5	12	20	8	6
Peak Power, MW	0.25	1.75	2.5	1.0	0.75
Average Power W @ 250 Hz	0.4	2.5	4	1.4	1.3
Average Power W @ 500 Hz	0.65	5	8	2.5	2.4
Dynamic gas lifetime Pulses to 50% energy	10E7	12E6	18E6	20E6	15E6
Shelf life approx. to 50% energy	10 days	15 days	30 days	3 months	30 Days
Repetition Rate	250/500/1000 Hz				
Pulse Length	8 nS				
Beam Size	6 x 3 mm V x H				
Stability	< 3% Standard Deviation				
Divergence	2 x 1 mRad V x H				
Cooling	Air				
Tube Service	~ 5 Billion Pulses				
Electrical Power	120 VAC, 5 Amp, 600 W				
Dimensions	47 x 25 x 25 cm				
Weight	15 kg				

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FEATURES

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- Long Gas Lifetime
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APPLICATIONS

- Replacement Medical Lasers
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- Refractive Surgery
- Raman spectroscopy



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EX10 Excimer Laser



SPECIFICATIONS

PARAMETER	ArF	KrF	XeCl	XeF
Wavelength nm	193	248	308	351
Energy Max. mJ	6	10	8	6
Peak Power, MW	0.85	1.43	1.14	0.85
Average Power W @ 300 Hz	1.8	3	2.4	1.8
Dynamic gas lifetime Pulses to 50% energy	12E6	18E6	20E6	15E6
Shelf life approx. to 50% energy	15 days	30 days	>3 months	30 Days
Repetition Rate	300 Hz			
Pulse Length	6-8 nS			
Beam Size	6 x 3 mm V x H			
Stability	< 3% Standard Deviation			
Divergence	2 x 1 mRad V x H			
Cooling	Air			
Tube Service	2 Billion Pulses			
Electrical Power	120 VAC, 5 Amp, 600 W			
Dimensions	13in x 7in x 7in			
Weight	8 kg			

FEATURES

- Powerful excimer laser
- 2nS low trigger jitter
- Excellent pulse to pulse stability
- Long Gas Lifetime
- Long Life Optics
- Corona Prelonization
- On-Board Vacuum Pump

APPLICATIONS

- Replacement Medical Lasers
- Ionization source
- Micromachining
- Precision Marking
- Refractive Surgery
- Raman spectroscopy



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EX50 High Pulse Rate Excimer Laser



SPECIFICATIONS

PARAMETER	F2	ArF	KrF	XeCl	XeF
Wavelength nm	157	193	248	308	351
Energy Max. mJ	2.5	35	50	22	20
Average Power W @ 250 Hz	0.5	5	10	5	5
Average Power W @ 500 Hz	1	10	20	10	10
Dynamic gas lifetime Pulses to 50% energy	15E6	25E6	35E6	30E6	30E6
Shelf life approx. to 50% energy	15 days	90 days	120 days	>1 year	120 Days
Repetition Rate	250/500/750/1000 Hz				
Pulse Length	17-20 nS				
Beam Size	9 x 4 mm V x H				
Stability	< 2% Standard Deviation				
Divergence	0.8 x 1.6 mRad V x H				
Cooling	Air 250,500 Hz / Water 1000 Hz				
Tube Service	>3 Billion Pulses				
Electrical Power	120 VAC, 5 Amp, 600 W				
Dimensions	78 x 43 x 34 cm				
Weight	48 kg				

FEATURES

- Powerful excimer laser
- 2nS Low trigger jitter
- Excellent pulse to pulse stability
- Long Gas Lifetime
- Long Life Optics
- Corona Pre-Ionization
- On-Board Vacuum Pump

APPLICATIONS

- Replacement Medical Lasers
- Ionization source
- Micromachining
- Precision Marking
- Refractive Surgery
- Raman spectroscopy



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EX100 High Power Excimer Laser



SPECIFICATIONS

PARAMETER	F2	ArF	KrF	XeCl	XeF
Wavelength nm	157	193	248	308	351
Energy Max. mJ	10	75	125	65	60
Average Power W @ 125 Hz	1	8	12	6.5	6
Average Power W @ 250 Hz	2	16	24	13	10
Dynamic gas lifetime Pulses to 50% energy	10E7	15E6	20E6	20E6	20E6
Shelf life approx. to 50% energy	15 days	60 days	90 days	>6 months	90 Days
Repetition Rate	60/125/250/500 Hz				
Pulse Length	15-22 nS				
Beam Size	10 x 5 mm V x H				
Stability	< 2% Standard Deviation				
Divergence	0.8 x 1.5 mRad Full angle				
Cooling	Air / Water				
Tube Service	2 Billion Pulses				
Electrical Power	100-240 VAC, 15 Amp				
Dimensions	120 x 44 x 30 mm				
Weight	65 kg				

FEATURES

- High Power Excimer Laser
- 2nS Low trigger jitter
- Excellent pulse to pulse stability
- Long Gas Lifetime
- Long Life Optics
- Corona Pre-Ionization
- On-Board Vacuum Pump

APPLICATIONS

- Replacement Medical Lasers
- Ionization source
- Micromachining
- Precision Marking
- Refractive Surgery
- Raman spectroscopy



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EX350 High Energy Excimer Laser



SPECIFICATIONS

PARAMETER	F2	ArF	KrF	XeCl	XeF
Wavelength nm	157	193	248	308	351
Energy Max. mJ	20	125	250	125	100
Average Power W @ 20 Hz	0.4	2.5	5	2.5	2
Average Power W @ 50 Hz	0.9	5	12	5	4.5
Shelf life approx. to 50% energy	10 days	20 days	30 days	4 months	30 days
Window Service	100E6				
Repetition Rate	20Hz and 50Hz				
Pulse Length	20-26 nS				
Beam Size	19 x 7 mm V x H				
Stability	< 2% Standard Deviation				
Divergence	3 x 1.2 mRad V x H				
Cooling	Air / Water				
Tube Service	> 1 Billion Pulses				
Electrical Power	20Hz 95-240 VAC, 3/ 6 A, 47/63 Hz 50Hz 208-240 VAC, 5/10A, 47/63 Hz				
Dimensions	780 x 430 x 400 mm				
Weight	50 kg				

FEATURES

- Most powerful excimer laser
- Ultra Low trigger jitter
- Excellent pulse to pulse stability
- Long Gas Lifetime
- Long Life Optics
- Corona Pre-Ionization
- On-Board Vacuum Pump
- High Beam Quality

APPLICATIONS

- Replacement Medical Lasers
- Ionization source
- Micromachining
- Precision Marking
- Raman spectroscopy



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