

## ILR series industrial Nd:YAG lasers



The ILR series of industrial lasers offers a flexible solution to your laser needs. From fine profile cutting to drilling high aspect ratio, deep holes in aero engine and turbine components, the laser can easily be configured to your application. Our lasers are designed modularly, with different optical assemblies available for cutting, or very high peak power drilling.

The ILR series compact power supply units are also fully configurable - simply choose the required flashlamp drivers, cooler unit, and control unit and connect to your PC. InnoLas' intuitive software gives complete control of the laser via the PC, or optional touch screen or handheld controllers. The latest camera technology gives crystal clear through-the-lens viewing of the workpiece, integrated directly into the control software. Interfacing to your control system is straightforward and reliable.

Model	ILR662D(P)		ILR692D(P)		ILR664D(P)	
optical configuration	LD1	LD2	LD1	LD2	LD1	LD2
max. mean power (W)	100	175	150	275	220	370
max. peak power (kW)	8(20)	8(20)	12(30)	12(30)	20(50)	20(50)
max. pulse energy (J)	20	30	30	40	50	60
beam quality (mm.mrad)	5	7	7	10	3	5
pulse repetition rate (Hz)	0 - 500 (0 - 200)					
pulse length (ms)	0.1 - 20 (0.1 - 5)					
laser head dimensions (mm) H x W x L	155x175x1125				155x175x1750 or 155x350x1125	
power supply dimensions (mm) H x W x D	1300x600x800				1700x600x800	
cooling requirement (kW)	12				20	
electrical requirements	380-415 VAC 3P+N+E 50-60Hz 32A					

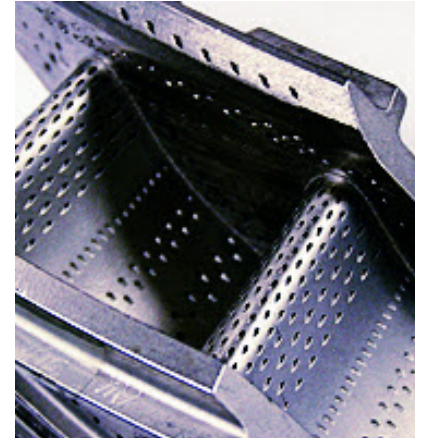
## Laser equipment for science & industry

InnoLas UK Ltd is a UK-based manufacturer of solid-state lasers and accessories for industrial and scientific users. With a portfolio of applications ranging from drilling, cutting and welding a huge variety of metal and other materials through to holography, optical damage measurements and plasma diagnostics, we aim to provide each user with a tailored solution to their needs.

InnoLas products are based around flashlamp pumped solid-state laser technology. Our modular design approach enables highly specialised solutions to be quickly and reliably developed using well-proven sub-assemblies and robust mechanical structures.

## Support

At InnoLas, we don't just sell machines - we keep them running around the clock, so you can keep working. As well as breakdown callouts, our experienced service team carry out Preventative Maintenance visits which help keep your machines in optimum condition. We offer fully traceable calibration of laser power meters, a requirement of many modern manufacturing standards.



**InnoLas (UK) Ltd**  
67 Somers Road  
Rugby  
Warwickshire  
England  
CV22 7DG

Tel: +44 1788 550777  
Fax: +44 1788 550888

Email: [sales@innolas.co.uk](mailto:sales@innolas.co.uk)

