

cw fiber laser with high power as a 'stand alone' system or for integration into machines and systems



Laser beam source with 1.5 kW optical output power. We integrate it into a complete system, by providing optical and mechanical accessories depending on the application or customer requirements. Furthermore we add the electrical control. This creates a complete OEM system, which is then installed at the customer's side.

(Photo: with kind permission of Innotech Laser GmbH)

Because of their high output power, these water-cooled lasers are particularly suitable for applications that require a lot of heat to be supplied to the workpiece. This includes, for example, welding of metals and plastics, cutting as well as material removal or structuring. Through the optional use of a 2D galvo-scanner the laser beam can also be guided software-controlled over the workpiece. The lasers can be modulated digitally and analogue and can also be controlled by software.

Some technical data:

Model name	Maximum optical power *	Wavelength	Maximum Modulation frequency	Maximum power consumption ** / supply voltage	Cooling
RFL-C1000	1000 [W]	1080 ± 5 [nm]	20 [kHz]	< 3000 [W] /230 VAC single phase	Water
RFL-C1500	1500 [W]			< 4500 [W] /230 VAC single phase	

* Systems with lower power are also available

** without the power consumption of the water cooling