

# LIMO-ILS-Basic5

Industrial Laser System for Laser Material Processing Applications



## | Material Processing Solutions |

### Your product benefits:

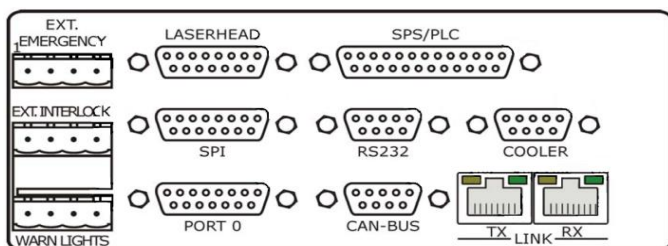
- Turnkey laser system
- Ready for easy integration into production machines
- Manual or remote operation by state of the art machine interfaces
- Passive watercooling
- Safe operation by strict conformity to safety standards

System Technical Data	Unit	Value	Unit	Value
<b>Optical Data</b>		<b>Mechanical Data</b>		
CW - nominal output power	W	120-200	Rack type	19"
Wavelength	nm	808-980	Rack height	RU 15
Fibre diameter	µm	200-400	Dimensions (height x width x depth)	mm <sup>3</sup> 1000x565x800
Numerical aperture		0,22	Max. weight	kg 100
Fibre plug type		SMA / LD80		
<b>Electrical Data</b>		<b>Thermal Operation and Storage Conditions</b>		
Operation Voltage	V	230	Operation ambient temperature range	°C +15...35
Max. operation current per supply unit	A	16	Max. operation relative humidity	non condensing
Supply frequency	Hz	50	Storage temperature range	°C 20...+60
Number of leads		1P + N + PE	Storage max. relative humidity	non condensing
Power plug type		CEE		
<b>Cooling Unit</b>				
Chiller type		air water		
Cooling capacity	W	750		
Laser circuit water pressure	bar	3.5		
Laser circuit water flow	l/min	4		
Laser circuit water type		distilled water		

### Additional Features and Interfaces

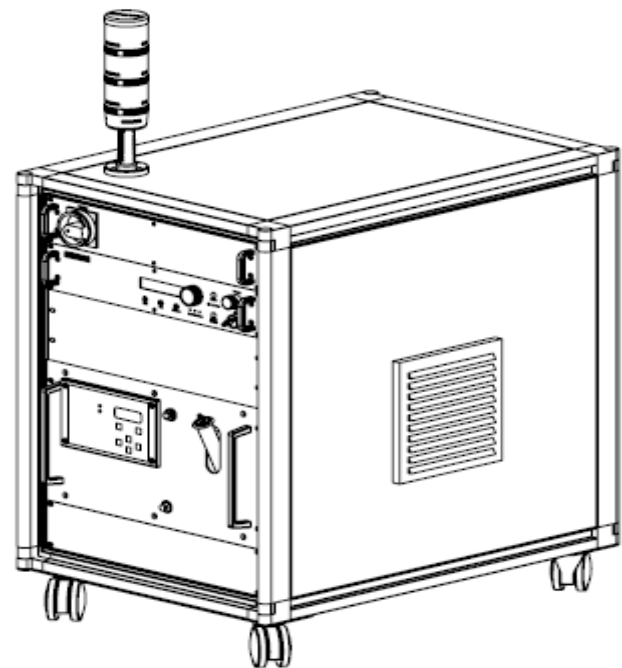
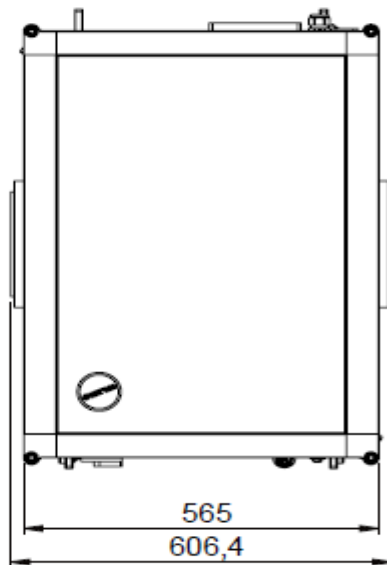
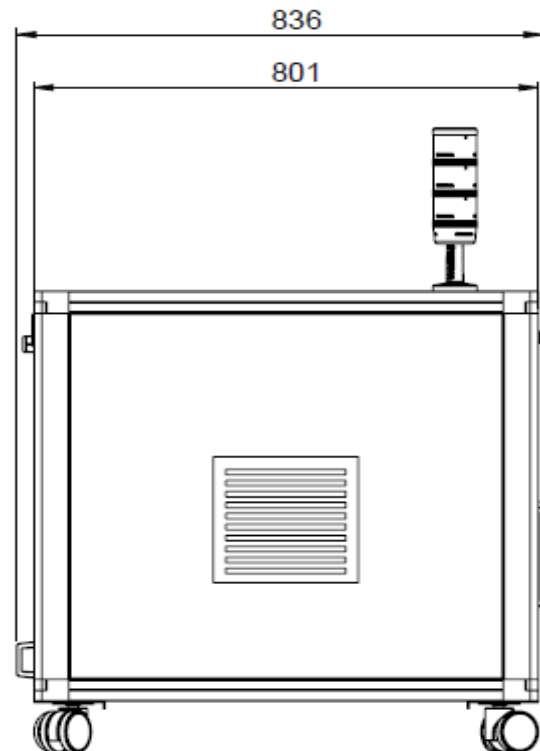
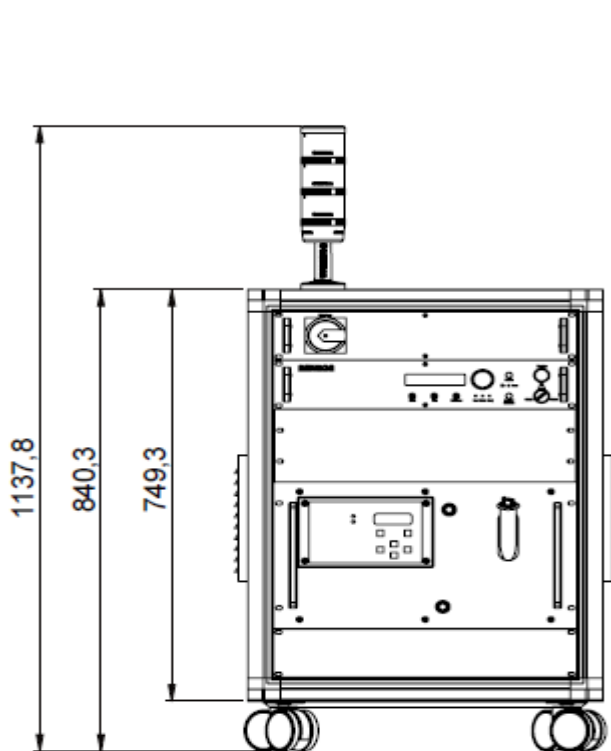
Interfaces - In / Out	Availability
Analog programming	available
Laser enable-start/stop (in)	available
External interlock (in)	available
RS232-(in/out)	available
Ethernet (in/out)	available
IO-interface (in/out)	available

Other Features	Availability
Pilot beam	available
Fiber detection sensor	not available
Fiber break detection	optional
Key main switch	available
Pyrometrie ready	available
Powermeter ready	available
Laser Process Head	optional
Internal pulse modus	available



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