

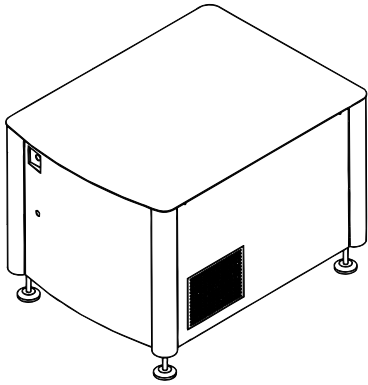
NOVOLAS OEM



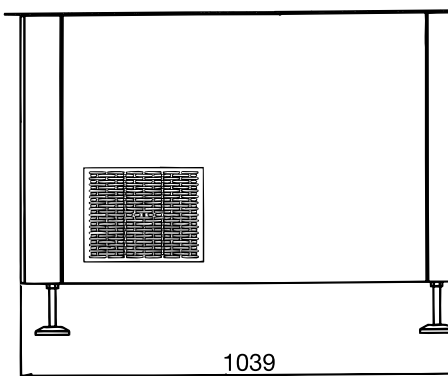
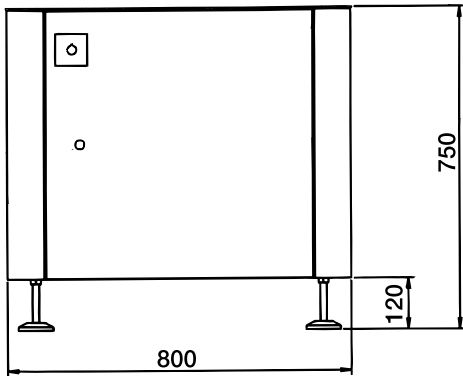
Lasersystems for
Plastic Welding and Soldering

The integration solution

LEISTER®



Dim. in mm



This system, Designed for Integration, incorporates LEISTER's knowledge and experience in the areas of plastic welding and soldering with lasers. NOVOLAS OEM is available as an – S version with a fiber coupled spot laser and an – L version with a line laser. Both versions are suitable for integration into manufacturing lines.

The durable system has been designed to provide easy integration with material handling systems and safety apparatus. Clamping Devices, Positioning and material handling systems, and safety apparatus. Optics Process Control can be selected to match each individual application.

Technical Information

The compact and elegantly designed Housing corresponds with the IP 54 standard. The modular designed system is prepared for all available options.

The graphical user interface, utilizing Windows™ NT based Software, provides for simple and quick programming of all machine parameters. Parameters are defined according DIN Standard 66025 and supplemented with various powerful functions. Predefined interfaces for laser protection circuit and emergency shutdown assures a high safety standard.

The Process Control offers the connection to serial and I/O interfaces. Also available is the optional telediagnostic service system.

As an option to the standard fiber coupled OEM-S version, Leister will provide solutions to specific customer requests.

	OEM-S Fiber Coupled	OEM-L Line
Diode Laser Type	Fiber Coupled	Line
Laser Power Output	25 W (optional 55 W)	50 W (optional 4x60 W)
Process Control	PC Control for Laser and Axis, Process Control	
Data Interface	I/O, RS 232c, Ethernet	
Pilot Laser (635 nm)	< 1 mW (Laser Class 2)	
Line Voltage	200 – 230 VAC +/- 10% (Single phase with ground contact)	
Frequency	50 / 60 Hz	
Current Consumption	Max. 10 A	
Air Pressure	Min. 6 bar, 1/4" Tube	
Cooling	Air stream, Exhaust Air max. 130° F (55°C)	
Environment Conditions	60-105° F (15 – 40° C)	
Weight	~450 lb (ca. 200 kg)	
Laser Class	4	
Options		
Moving System	up to 400 x 400 x 100 mm	
Process Specific Units	Clamp Devices, Solder Wire Feeder, Fume Exhaust System	
Process Control	Pyrometer (for welding) Camera	
CE conform		
Technical data subject to change		
Further options on request		



a division of LEISTER Process Technologies

ISO 9001:2000



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