

# NOVOLAS C

laser welding



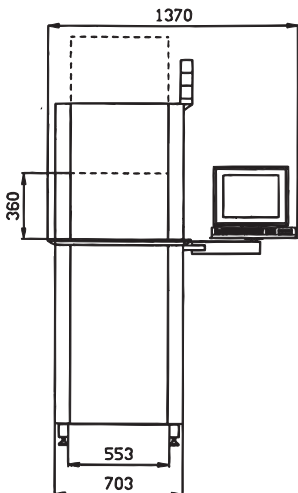
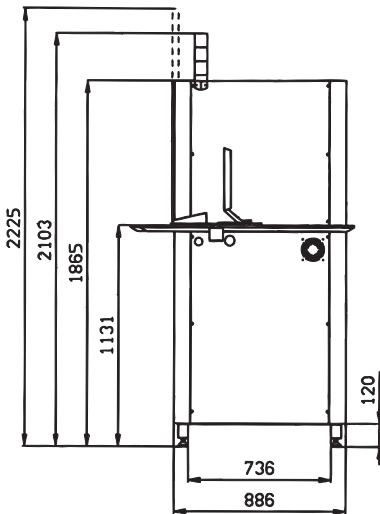
Lasersystems for  
Plastic Welding

Manual Workstation for Laboratories  
and Job Lot Production

**LEISTER**®



Abmessungen in mm



## Contour Welding with NOVOLAS C



The concept of Contour Welding is based on the principal of Transmission Welding. Welding occurs as the work piece is guided beneath the laser spot on a highly precise, preprogrammed servo-driven X-Y table. The software allows for easy, flexible programming of virtually limitless weld patterns.

The clamping device is extremely versatile, allowing for quick changeover and economical job lot production.

## Technical Information



The Laser, Clamping Device, Moving System and Controls are all contained in a compact, stand-alone system.

Graphical user interface, utilizing Windows™ based software, provides for simple and quick programming of all machine parameters.

Safety and security have been designed into the system through the utilization of various interlocks, pneumatic doors, limit switches, and two-hand controls. The software features two levels of password protection, ensuring safe and secure operation.

NOVOLAS C system is available with an optional pyrometer for added process control.

Laser Typ	High Powered Diode Laser
Laser Power Output	35 W (optional 60 W)
Pilot Laser (635 nm)	< 1 mW (Laser Class 2)
Max. Part Size	250×250×100 mm
Max. Welding Area	250×250 mm
Axis	X – Y Servo axis 200 mm (300 mm optional)
Clamp Device	Pneumatic
Control	User Interface WINDOWS™ NT, Process Control

Line Voltage	230 VAC +/- 10% (Single phase with ground contact)
Frequency	50 / 60 Hz
Current Consumption	Max. 10 A
Air Pressure	Min. 6bar, 1/4" Tube
Cooling	Air stream, Exhaust max 130°F (55°C)
Environment Conditions	60-105°F (15 – 40°C)
Weight	~660 lb (ca. 300 kg)
Laser Class	1

CE conform  
 Technical data subject to change  
 Further options on request

