

Novolas™ Micro



The NOVOLAS™ MICRO is our system especially designed for mask welding. The high precision of the NOVOLAS™ MICRO makes it especially suited to applications in micro technology, including medical and industrial products.

Why Buy From Us

The NOVOLAS™ MICRO is available in Canada only through STANMECH. We have a full applications laboratory available to evaluate your laser applications.

Benefits

- An intelligent adjustment system guarantees high welding precision and repeatability
- Structures as thin as 100 µm can be welded easily
- Any imaginable shape can be welded with a positioning accuracy down to 2 µm
- Simple and easy set-up using our graphical user interface
- Ergonomic machine design with seated operator position and easily accessible controls
- The NOVOLAS™ Micro has been purpose built for clean room applications
- Masks are produced via photo lithography according to customer specifications
- Masks are easily exchanged, maximizing flexibility
- Can be operated as a manual workstation or integrated for high production rates

Technical Data - Novolas MICRO

Laser type	diode laser
Beam shape	line laser
Laser power	70 W
Component identification	optical
Max. component sizes	110 x 50 x 30 mm
Max. height (cover)	2 mm
Axes	9 stepping motor axes
Controller	PLC control
Line voltage	200-230 VAC ± 10%
Frequency	50-60 Hz
Max. current consumption	10A
Compressed air connection	6 bar, 1/4" hose
Cooling	water/air cooled, exhaust air max. 55°C
Environment conditions	15-40°C
Weight	approx. 300kg
Laser class	1