

JENOPTIK-VOTAN™ W Compact Laser welding machine

Benefits

- Reliable and flexible
- Clean
- Contact-free energy deployment
- Vibration-free
- No exhaust gases
- Sealed, strong welding seam
- Straightforward joint design
- Maintenance-free
- No flash / meltdown

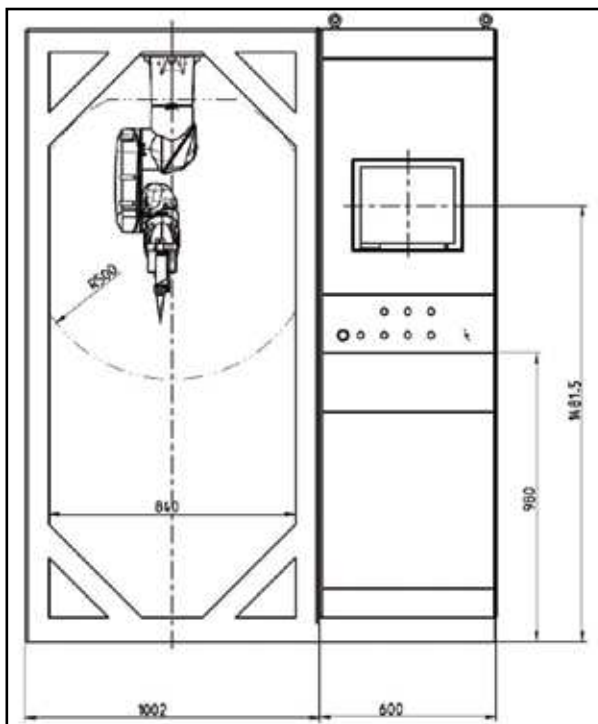


Applications

- Electronic housings
- Medical and industrial fluidic systems
- Automotive Interieur / exterior parts

Turnkey-ready solution for

- Automotive
- Medical
- Electronic / Mechatronics
- Consumer products



Layout JENOPTIK-VOTAN™ W Compact

Specifications

Technology	Contour welding of plastic parts
Laser	JENOPTIK Diode laser <ul style="list-style-type: none"> • 90 W / 140 W / 210 W Laser power • Lifetime 20,000 hours • Water-to-air chiller with internal fan
Robot	<ul style="list-style-type: none"> • Articulated Robot (Stäubli TX40) • Welding speed: 10..50 mm/s
Loading	<ul style="list-style-type: none"> • Automatic hatch
Control software	<ul style="list-style-type: none"> • PLC Siemens S7 control • Graphical user interface
Tool	<ul style="list-style-type: none"> • Contour welding head • Glassfiber • Spot Size / Seam width 1...5 mm • Working distance 50 / 100 / 150 mm
Process control	<ul style="list-style-type: none"> • Real-Time Temperature Sensor
Footprint	1600 x 1000 x 2100 mm
Max. Part Size	500 x 500 x 400 mm
Environmental conditions	Operating temperature range 5 to 35°C
Overall weight	1200 kg

We reserve the right to make changes in the interest of technical progress.

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