



## ML-6810B - 1000-1200W Fiber Laser Welder

The 1 kW fiber laser welder ML-6810B offers excellent beam quality and maximum power for new and precise welding applications such as steel sheet and copper. ML-6810B meets laser welding needs perfectly in the medical, automotive (sheet welding), solar, and electrical industries.

### Key features ML-6810B - 1000-1200W Fiber Laser Welder

- > Small focus with longer focal lengths
- > Higher efficiency than lamp pumped systems
- > Plug and play systems
- > Estimated diode life time > 100.000 hours
- > Integrated internal chiller
- > Integrated beam splitter ( up to three outputs)
- > Energy share or time share available for certain models upon request
- > Outstanding beam parameter product
- > CW / Pulse selectable
- > Pulse : 1 to 5000 pps
- > Fiber diameter: SI 0.05 - 1 mm
- > Environment 5 to 50°C with humidity 50 to 85 %
- > IP 54

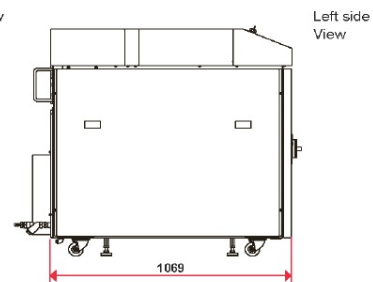
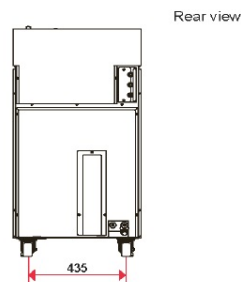
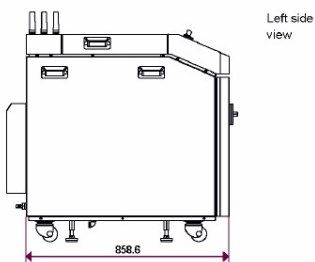
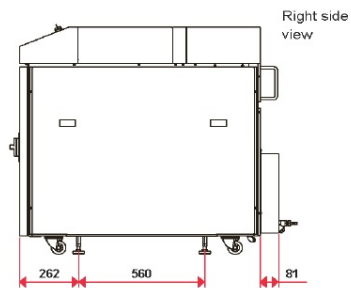
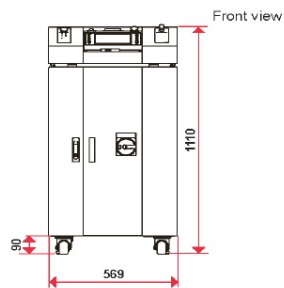
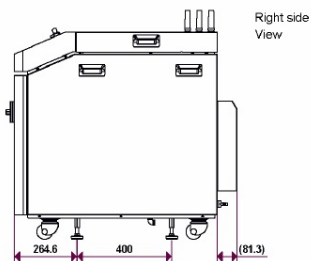
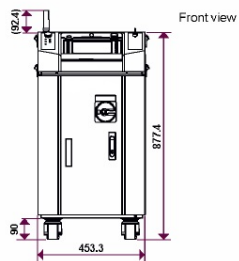
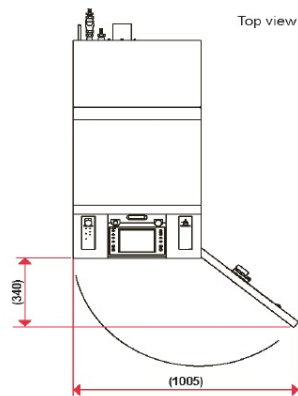
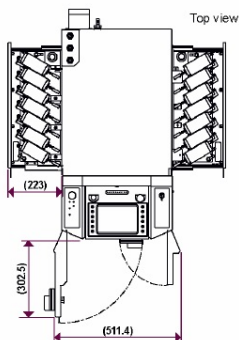
## Specifications ML-6810B - 1000-1200W Fiber Laser Welder

<b>Model</b>	ML-6810B
<b>Max. rated output</b>	1000 W or 1200 W
<b>Power requirements</b>	3-phase, 200 V to 400 V AC (+10% / -15%), 50/60 Hz
<b>Breaker rated current</b>	50A (380 V / 400 V)
<b>Cooling</b>	Water - Water
<b>Weight</b>	280 kg
<b>Safety class</b>	Class 4 laser, pilot laser: Class 1
<b>Certification</b>	CE compliant

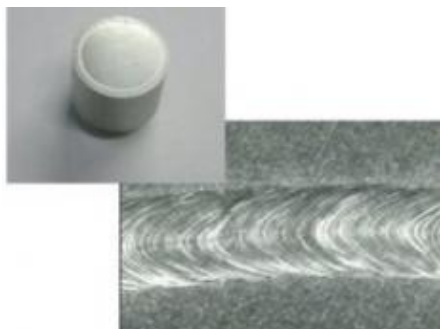
Drawings ML-6810B - 1000-1200W Fiber Laser Welder

⇒ For ML-6500C, four FC-LDs are contained on each side.

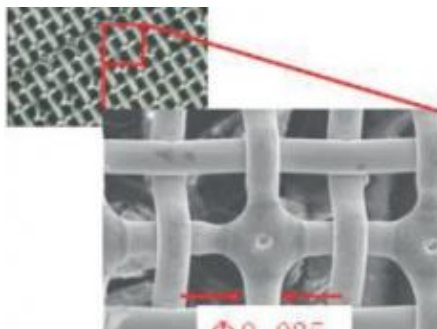
Unit: mm



Product applications ML-6810B - 1000-1200W Fiber Laser Welder



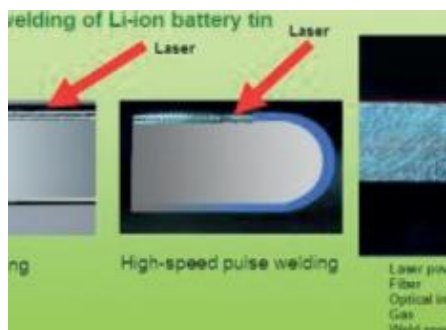
Fine cutting of metals



Brazing



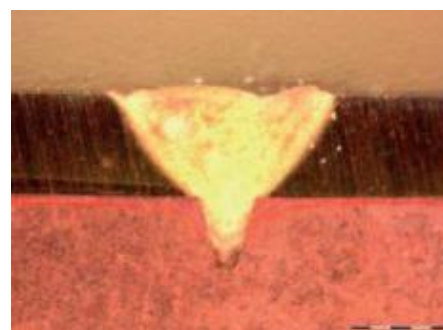
Plastic welding



Cladding



Bellow welding

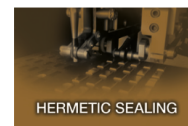


CuSn6

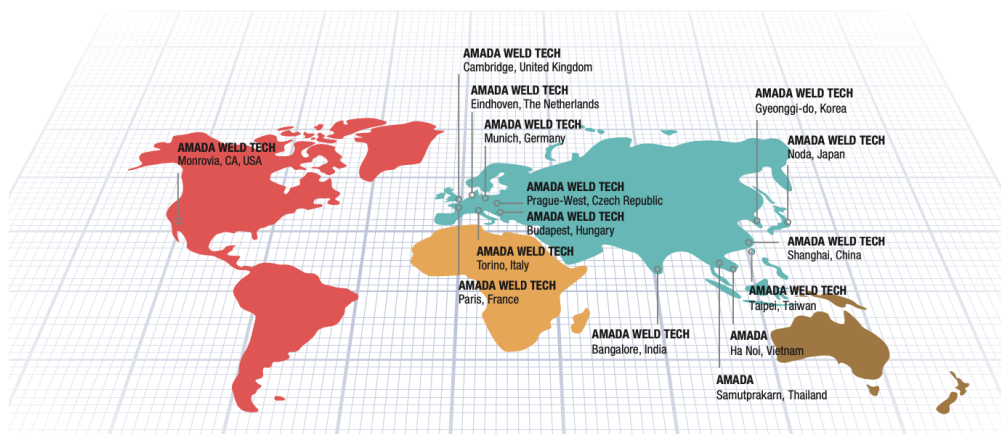
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**AMADA WELD TECH GmbH**  
Lindberghstrasse 1 • DE-82178 Puchheim, Germany  
T: +49 (0) 89 83 94 030 • Fax : +49 (0) 89 839403 68  
info@amada-weldtech.eu • www.amada-weldtech.eu  
ISO 9001 Certified Company

Please contact our worldwide  
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