



YAG Laser Welders 50W - 150W

The ML-23 Series Nd:YAG Laser Welders use laser power feedback. They provide high-quality, high-speed, and high-stability output and enable high-quality welding of various materials. Thanks to the laser power feedback technique, laser output as configured can be reliably obtained. In addition, the output laser power and output waveform are displayed on the controller's monitor.

Key features YAG Laser Welders 50W - 150W

- > Pulse : 1 to 200 PPS
- > Fiber diameter: SI 0.2 – 1 mm
- > Environment: 5 to 30° C with humidity < 85%
- > Plug and play lasers for fast system integration
- > Compact design minimises space requirement
- > Real time power feedback for superior output control
- > Time share configuration allows operation of several • Workstations for improved flexibility
- > Bi-Frequency power supply for ease of use worldwide
- > Flexible pulse shaping helps achieve optimum welding profiles for more challenging materials
- > Integrated beam splitter with multiple laser outputs for increased throughput
- > Error details, power monitor status and I/O monitoring shown on a built-in screen
- > Standard safety shutter by beam switch method
- > Long-life laser diodes provide high reliability and improves maintenance cost

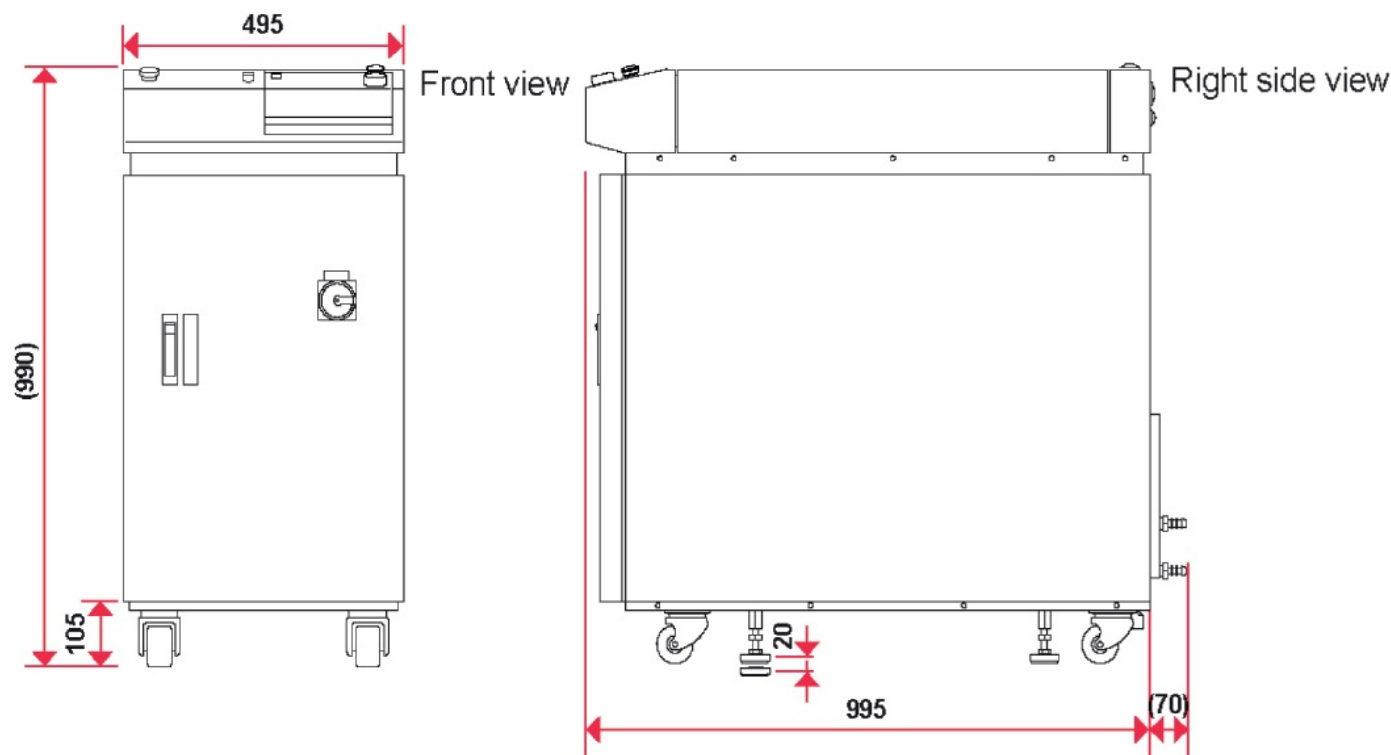
Specifications YAG Laser Welders 50W - 150W 1/2

Model	ML-2351A	ML-2351AF	ML-2350A
Maximum rated output	50 W	50 W	70 W
Maximum output Energy	50 J/P	50 J/P	70 J/P
Maximum peak power	5 kW	5 kW	7 kW
Power requirements	3-phase, 380, 400 V to AC (+/- 10%), 50/60 Hz	3-phase, 380, 400 V to AC (+/- 10%), 50/60 Hz	3-phase, 380, 400 V to AC (+/- 10%), 50/60 Hz
Breaker rated current	10A (400 VAC)	10A (400 VAC)	10A (400 VAC)
Cooler	Water - Water	Forced air cooling	Water-Water
Weight	240 kg	240 kg	240 kg
Safety class	Class 4 laser, pilot laser Class 1	Class 4 laser, pilot laser Class 1	Class 4 laser, pilot laser Class 1
Legal approval	CE Compliant	CE Compliant	CE Compliant

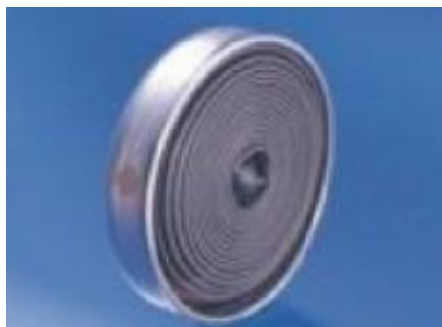
Specifications YAG Laser Welders 50W - 150W 2/2

Model	ML-2350AF	ML-2450A
Maximum rated output	70 W	150 W
Maximum output Energy	70 J/P	70 J/P
Maximum peak power	7 kW	7 kW
Power requirements	3-phase, 380, 400 V to AC (+/- 10%), 50/60 Hz	3-phase, 380, 400 V to AC (+/- 10%), 50/60 Hz
Breaker rated current	10A (400 VAC)	20A (400 VAC)
Cooler	Forced air cooling	Water - Water
Weight	240 kg	240 kg
Safety class	Class 4 laser, pilot laser Class 1	Class 4 laser, pilot laser Class 1
Legal approval	CE Compliant	CE Compliant

Drawings YAG Laser Welders 50W - 150W



Product applications YAG Laser Welders 50W - 150W



Automotive



Automotive



Electronics

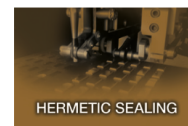


Electronics

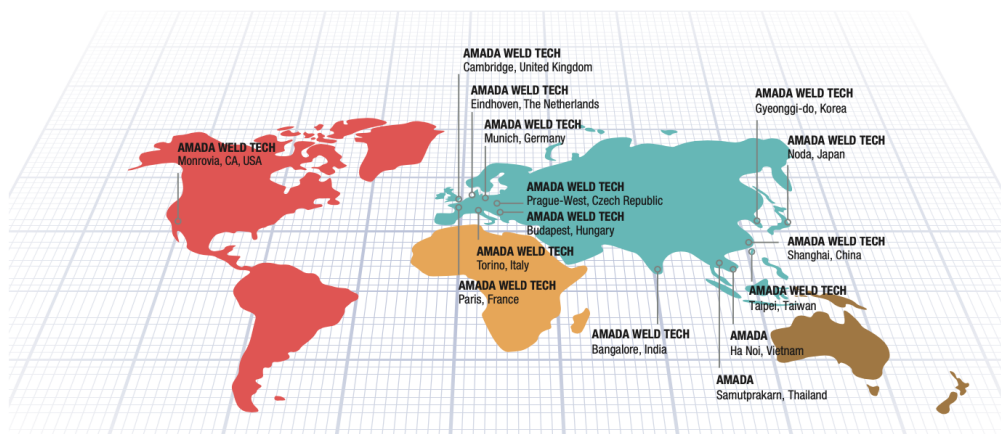
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