



KEY FEATURES

- Easy to navigate touchscreen display
- Single wire feed unit
- 4 roll wire feeder
- Excellent welding performance
- Simple lens change method
- Water cooled fibre laser source for high duty cycle operation
- Spot and continuous welding mode
- Ability to store jobs

The Jasic LS-20000F Laser Welder is designed to redefine efficiency and precision in professional welding applications. With a welding speed up to 10x faster than traditional manual TIG welding, significantly reducing project time while ensuring exceptional weld quality.

Engineered for cost efficiency, the LS-20000F eliminates the need for extensive welding expertise, helping companies reduce reliance on highly experienced welders.

Featuring an innovative industrial design, the LS-20000F offers ergonomic flexibility and ease of use, complete with a colour touchscreen control panel.

Powered by a CW laser with over 40% electro-optical conversion efficiency, it outperforms traditional solid YAG lasers with 10x the energy efficiency.

TECHNICAL DATA

Input power supply	1P AC230V (-10% - +15%) 50Hz	
Input power	7.8 kW	
Centre wave length	1080 ± 10nm	
Electro-optical conversion efficiency	≥40%	
Laser power	20000W	
Fibre cable length	12m	
Cooling method	Water cooled	
Single wire welding and self fusion welding	Scan width	0~6mm
	Welding wire diameter	0.8/1.0/1.2/1.6mm
	Shielding gas	Argon/nitrogen (≥3 bar)
	Welding thickness	3 - 6mm
	Penetration	3 - 5mm
Welding gap range	≤Welding wire diameter	
Double wire welding	Scan width	0 - 6mm
	Welding wire diameter	1.2/1.6mm
	Shielding gas	Argon/nitrogen (≥3 bar)
	Welding thickness	3 - 6mm
	Penetration	3 - 5mm
Welding gap range	≤ Welding wire diameter	
Water tank capacity	8L	
Operating temperature	-10°C - 40°C; antifreeze needed when ≤5°C	
Operating humidity	≤70% at 40°C; ≤90% at 20°C	
Power source weight	92Kg	
Packed weight	110Kg	
Packed weight of wire feeder and accessories	17.5Kg	
Power source dimensions	773 x 410 x 737mm	
Package dimensions	865 x 475 x 1035mm	
Package dimensions of wire feeder and accessories	890 x 320 x 430mm	

STANDARD ACCESSORIES

Single Wire Feed Unit

OPTIONAL ACCESSORIES

Dual Wire Feed Unit