

# LASER WELDING MACHINE

## SPARTUS® easy 1500 /easy 2000

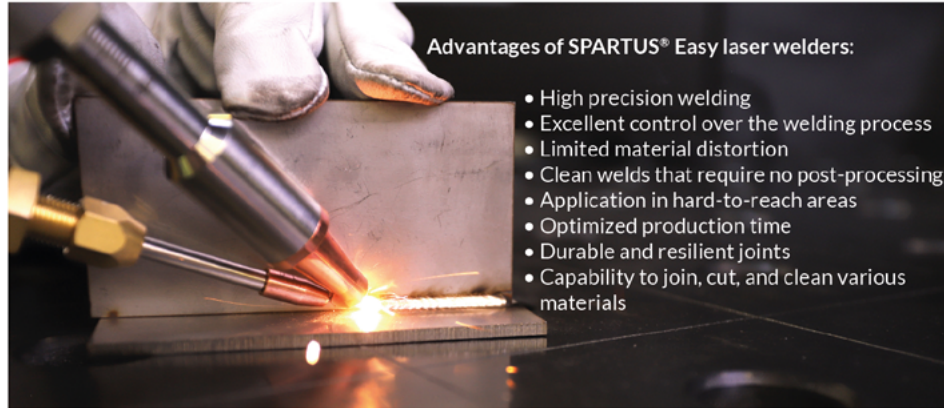


WELDING  
CUTTING  
CLEANING



# SPARTUS® easy 1500 / 2000

The SPARTUS® Easy laser welders are the key to achieving unparalleled quality in connections. These devices surpasses traditional welding methods like MIG or TIG due to the exceptional precision it offers. The laser welders enable the creation of significantly smaller, microscopic-sized welds, thereby minimizing the heat-affected zone on the surrounding material. Consequently, laser welding is an excellent choice for joining even the tiniest components that are challenging to weld using other welding methods.



## Advantages of SPARTUS® Easy laser welders:

- High precision welding
- Excellent control over the welding process
- Limited material distortion
- Clean welds that require no post-processing
- Application in hard-to-reach areas
- Optimized production time
- Durable and resilient joints
- Capability to join, cut, and clean various materials

## TECHNICAL DETAILS

	easy 1500	easy 2000
Input	230V 50/60Hz	
Output power	1500W	2000W
Operating mode	continuous / modulated	
Cooling type	liquid	
Duty cycle	100%	
Scanning speed	2 - 6000 mm/s	
Scanning width	0 - 6 mm	0 - 8 mm
Frequency	5 - 5000 Hz	



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## ONE DEVICE MULTIPLE FUNCTIONS

### WIRE FEEDER

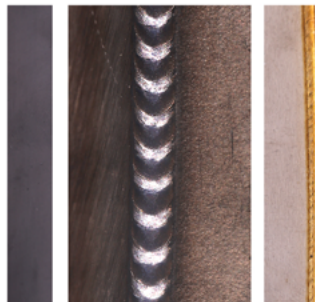
The wire feeder for the SPARTUS® Easy laser welders is a device that precisely delivers welding material to the welding area. This is crucial for controlling welding parameters, improving weld quality, and enhancing process efficiency. It automates the wire feeding, allowing the operator to focus on monitoring the welding process. As a result, the wire feeder is a significant tool in laser welding, especially in industrial production.



SPARTUS® Easy laser welders are not only used for welding but also for cutting and cleaning various materials.

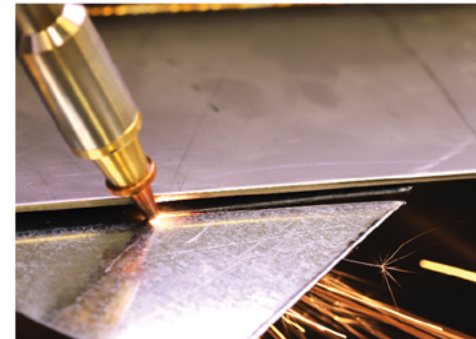
Laser cutting allows for precise material separation, creating accurate and clean edges without the need for mechanical processing. The cutting function as an additional device option allows cutting stainless steel up to 2mm and carbon steel up to 1.5mm. Copper and aluminum, as materials with a high beam reflection coefficient, should not be subjected to the laser cutting process.

Laser cleaning is an effective method for removing contaminants, paint layers, or rust from material surfaces while preserving their integrity and quality. Thanks to the use of laser technology, we achieve exceptional material processing efficiency with minimal impact on their structure.



### WELDING MATERIALS

	easy 1500	easy 2000
Stainless Steel	5mm	6.5mm
Galvanized sheet	4 mm	5mm
Iron	5mm	6mm
Mild steel	4mm	6mm
Aluminum	3mm	5mm
Brass	2mm	3mm



## ACCESSORIES

SP050-11-002	Focus lens D20*4.5 F150
SP050-11-003	Focus lens D20*4.5 F400
SP050-11-004	Focus lens D20*4.5 F800
SP050-10-008	Welding nozzle (0.8mm)
SP050-10-010	Welding nozzle (1.0mm)
SP050-10-012	Welding nozzle (1.2mm)
SP050-10-016	Welding nozzle (1.6mm)
SP050-10-003	Cutting nozzle
SP050-12-010	Graduated tube (focus adjuster)
SP050-15-008	Wire feeder tip (0.8mm)
SP050-15-010	Wire feeder tip (1.0mm)
SP050-15-012	Wire feeder tip (1.2mm)
SP050-15-016	Wire feeder tip (1.6mm)
SP-ROL371510-0810V	Wire guide roller f30 drut 0.8-1.0mm
SP-ROL371510-1216V	Wire guide roller f30 drut 1.2-1.6mm



**First start**



**The Presentation**



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