

Easy 2000 laser welding machine with automatic wire feeder

Raycus



Product code:

LASER-EASY2000

Product description

SPARTUS® EASY 2000 – INNOVATIVE TECHNOLOGY FOR WELDING, CUTTING AND CLEANING MATERIALS

The SPARTUS® Easy 2000 laser welder is the key to achieving unparalleled quality in connections. This device surpasses traditional welding methods like MIG or TIG due to the exceptional precision it offers. The laser enables 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 2000:



- 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

High-end laser source

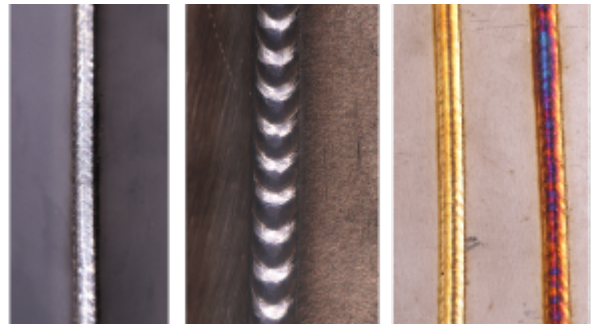




WIRE FEEDER

The wire feeder for the SPARTUS® Easy 2000 laser welder 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.

WELDING MATERIALS



maximum thickness

Stainless steel: 6.5mm
 Galvanized sheet: 5mm
 Iron: 6mm
 Mild steel: 6mm
 Aluminum: 5mm
 Brass: 3mm



SPARTUS® LASER HEAD F230

The modern laser head allows for focal length adjustment. Additionally, it is equipped with a welding wire feeder mechanism. Ergonomic and user-friendly, it ensures precise and comfortable operation for the operator. Comes with a set of starter nozzles.

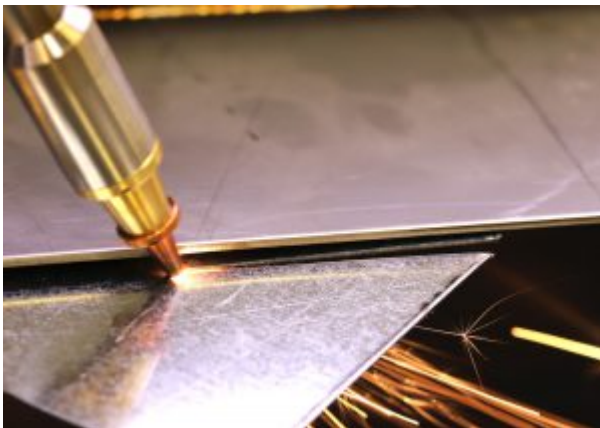
As an option, there's the possibility to switch the F210 head.

ONE DEVICE, MULTIPLE FUNCTIONS

SPARTUS® Easy 2000 is 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 these laser technology applications, we achieve exceptional material processing efficiency with minimal impact on their structure.



MULTILINGUAL MENU

The device interface is available in the following languages: • Polish • English • German • French • Spanish • Italian • Czech • Slovak • Greek • Romanian • Portuguese • Korean • Turkish • Russian

THE SET INCLUDES



- laser source
- F230 handheld laser head (7m) with F150 focus lens
(as an option, there's the possibility to switch the F210 head)
- wire feeder with 1.2 - 1.6V fi37 rollers
- 2x wire guide rollers 0.8 - 1.0V fi37
- insulated steel liner
- teflon liner
- set of single nozzles for the laser head

- 4 single wire feeder tips
- protective lenses

Technical parameters

Input	~1× 230V ± 10% 50 / 60 Hz
Output power	2000W
Operating mode	ciągły/modulowany
Duty cycle [%]	100
Scanning speed	2 - 6000 mm/s
Scanning width	0 - 8 mm
Frequency	5 - 5000 Hz
Weight	165 kg
Dimensions [mm]	956 x 580 x 823mm

Other informations

PRODUCT CATEGORIES: [LASER WELDERS](#), [LASER](#)

NW ® is independent subject and not connected to ABITIG®, AMPHENOL®, ASPA®, BESTER®, BINZEL®, CEA®, CEBORA®, ESAB®, EWM®, FALTIG®, FRO®, FRONIUS®, HARRIS®, HYPERTHERM®, KJELLBERG®, L-TEC®, LINCOLN®, MAGNUM®, OTC®, SAF®, SHERMAN®, TELWIN®, THERMAL DYNAMICS®, TRAFIMET®, TUCHEL®.

Reference numbers and names belonged to above companies were called due to Property Right Law for buyer's convenience and they are related to code and spare part's description.

The products do not constitute an offer within the meaning of the Civil Code.