

SPARTUS®

Raycus

product code: LASER-EASY2000-PAK2



**The set includes:**

- laser source **Raycus**
- F230 handheld laser head (7m) with F150 focus lens  
*(as an option, there's the possibility to switch the F210 head)*
- double wire feeder with 4 wire guide rollers 1.2 - 1.6V fi37
- **cooling liquid 15l**
- single insulated steel liner
- double insulated steel liner
- 2 wire guide rollers 0.8 - 1.0V fi37
- 4 wire guide rollers 2.0 -2.5V fi37
- head support for double liner
- 6 double welding nozzles
- 3 double wire feeder tip
- set of single nozzles for the laser head
- 4 single wire feeder tips
- protective lenses

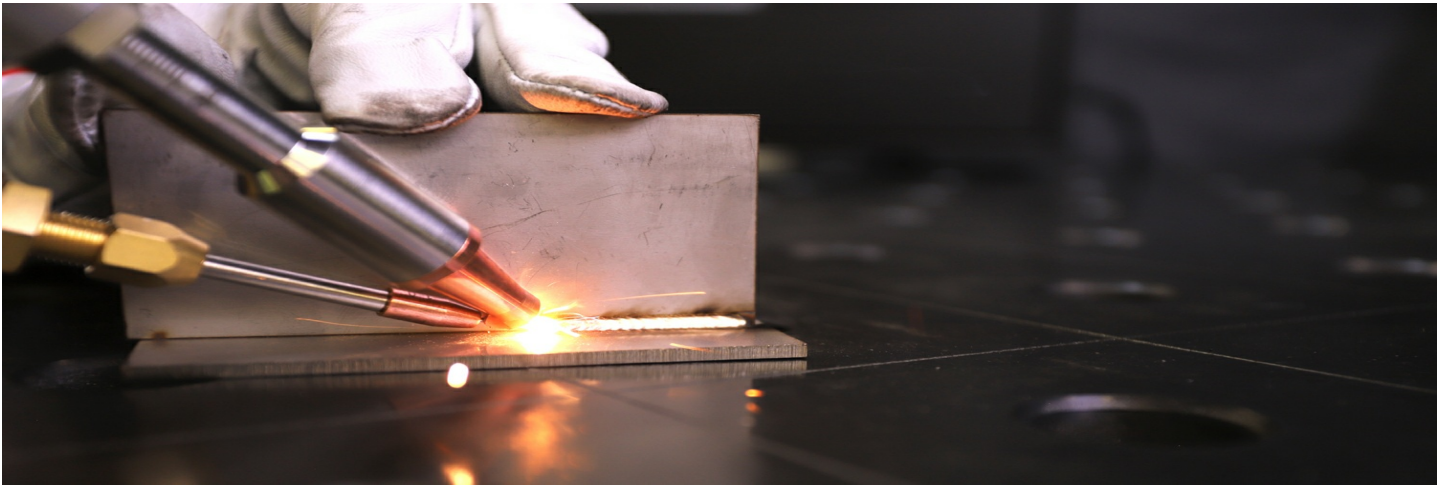
## Product variants

| Index   | Price                              |
|---|------------------------------------|
| <b>SPARTUS® Easy 2000 laser welding machine with double wire feeder<br/>LASER-EASY2000-PAK2</b> | <b>€9,262.14 / pc</b><br>Net price |
| <b>SPARTUS® Easy 2000 laser welding machine with wire feeder<br/>LASER-EASY2000-PAK1</b>        | <b>€8,704.16 / pc</b><br>Net price |

## 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-class laser source



## WIRE FEEDER

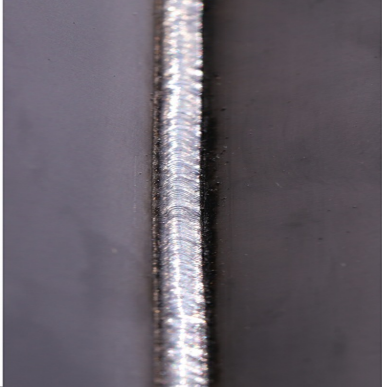
The SPARTUS® Dual Wire Feeder has been designed to enhance efficiency and quality in the welding processes within the most demanding industrial environments. Thanks to its innovative design that allows the use two welding wires, this feeder is the ideal solution for Easy laser welders, offering a range of benefits to its users.

- **INCREASED PRODUCTIVITY** The dual wire feeder reduces downtime associated with spool changes, contributing

to faster and more efficient production cycles.

- **VERSATILITY** The dual wire feeder allows for quick adaptation to changing design requirements.
- **PROCESS OPTIMIZATION** Users can easily switch between wires of different diameters or properties to tailor the welding process to specific tasks, ensuring high-quality welds and work efficiency.
- **IMPROVED WELD QUALITY** Thanks to the ability to use dual wire for the welded material, the SPARTUS® feeder ensures better alignment in larger gaps, resulting in more durable and aesthetically pleasing welds.
- **OPERATIONAL COST REDUCTION** Long-term benefits such as reduced downtime and improved work efficiency lead to significant savings.

## WELDING MATERIALS



| Butt welding<br>(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

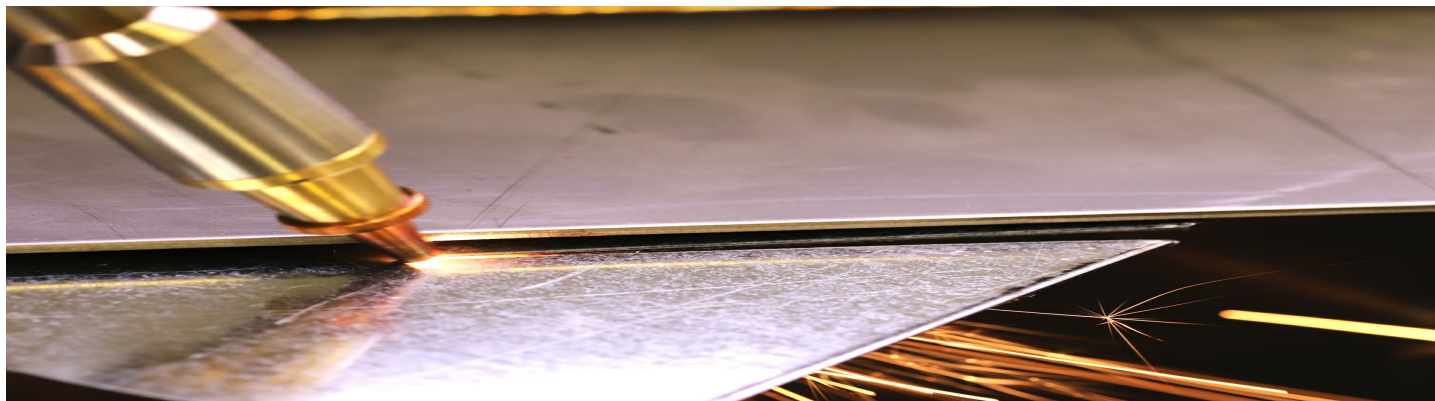
**SPARTUS® Easy 2000** is not only used for welding but also for cutting and cleaning various materials.

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

## Technical details

|                |                           |
|----------------|---------------------------|
| Input          | ~1× 230V ± 10% 50 / 60 Hz |
| Output power   | 2000W                     |
| Operating mode | continuous / modulation   |
| Cooling type   | liquid                    |
| Duty cycle     | 100%                      |
| Scanning speed | 2 - 6000 mm/s             |
| Scanning width | 0 - 8 mm                  |
| Frequency      | 5 - 5000 Hz               |
| Weight         | 165kg                     |
| Dimensions     | 956 × 580 × 823 mm        |