

SPARTUS®



**LASER WELDING
AND CLEANING
MACHINES**

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Ensure Maximum Safety in Laser Work!

We offer ready-made laser welding cells and components
for building custom workstations.

Precision and quality with **SPARTUS®**

On behalf of the SPARTUS® team, we are thrilled to present to you our latest catalogue of laser welding and cleaning machines, designed for modern industrial companies seeking world-class solutions. From the brand's inception, our mission has been to deliver innovative, reliable, and highly efficient solutions that not only meet but exceed customer expectations. Our goal is to create comprehensive welding solutions that help businesses thrive in a rapidly changing industrial environment.

In recent years, by constantly adapting to the industry's needs, we've developed a product range that contains the essence

of advanced welding technology. Each laser welder and laser cleaning machine model featured in our catalogue is the result of the dedicated efforts of our team, who work daily to provide solutions that are not only specialized but also user-friendly.

We invite you to explore our catalogue, which will help you discover how SPARTUS® products can support your business development. The SPARTUS® brand stands by your side, ready to provide advice and assistance at every step – from selecting the perfect device to implementing it in production, and ensuring comprehensive service and technical support.



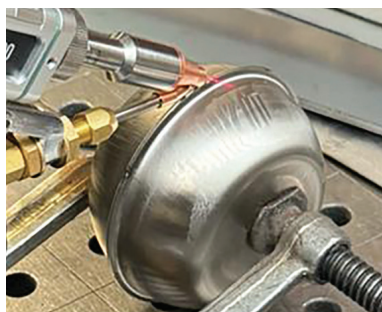
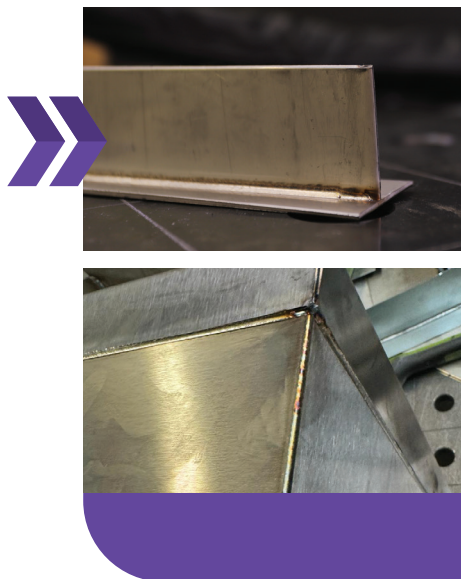


» WHY IT'S WORTH IT

Laser welding provides numerous benefits that establish it as the preferred method in advanced industrial applications. It delivers unparalleled welding precision, crucial for producing intricate joints. This precision results in thinner and more accurate welds while reducing damage to the base material. Additionally, laser welding minimizes the heat-affected zone, which is vital when working with delicate or thin materials.

The speed and efficiency of this method significantly reduce production time and costs while guaranteeing the highest quality of weld.

ADVANTAGES OF LASER WELDING



» **High level**
of welding precision

» **Clean welds**
that require no finishing

» **Durable and
robust** joints

» **Excellent control**
over the welding process

» **Minimized**
distortions

» **Optimized**
production time

» SPARTUS® LASER HEAD

Modern laser head allows for focal length adjustment. Additionally, it is equipped with a welding wire feeding mechanism. The ergonomic shape and ease of use ensure precise and comfortable work for the operator.



EASY LASER WELDERS

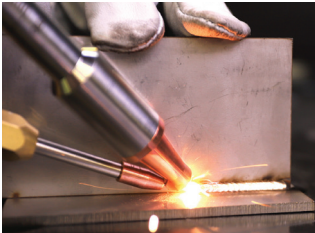
Easy laser welders are available in four power variants: 1.2 kW, 1.5 kW, 2 kW and 3 kW, allowing them to be tailored to various industrial needs. All models are equipped with advanced laser sources, which ensures their high efficiency and reliability. As a result, users benefit from precise welding, process stability and energy efficiency, minimizing operating costs. The range of power options enables optimal adaptation of the machine to specific applications, ensuring efficient and economical production processes.



ONE DEVICE MANY FUNCTIONS

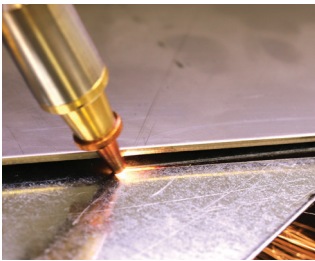


» WELDING



A laser welding machine is superior to traditional welding methods such as MIG or TIG due to its exceptional precision. The laser allows for much smaller welds with microscopic dimensions, significantly minimizing the heat-affected zone on the surrounding material. As a result, laser welding is an excellent choice for seamlessly joining even very small components that are difficult to weld using traditional methods.

» CUTTING



Laser cutting enables the precise separation of various materials, creating accurate and clean edges without requiring additional mechanical processing. This feature, as an additional option in laser devices, allows for cutting stainless steel up to 2 mm thick and carbon steel up to 1.5 mm thick. However, materials like copper and aluminum, which have a high beam reflection coefficient, should not be subjected to laser cutting due to the risk of beam reflection.

» CLEANING



Laser cleaning is an effective method of removing contaminants, paint layers, or rust from material surfaces, while preserving their integrity and quality. This application of laser technology, delivers exceptional material processing efficiency with minimal impact on their structure. By exchanging the focusing lens in the laser head, it is possible to obtain a precise cleaning beam with a width ranging from 30 to 120 mm.

APPLICATION OF WIRE FEEDER IN LASER WELDING

The wire feeder, which is an integral part of the laser welding system, enables precise and controlled delivery of additional material to the welding zone. This not only enhances process efficiency by minimizing material losses but also ensures high-quality welds required for projects where the highest accuracy and durability of joints are essential.

» SINGLE WIRE FEEDER

Designed for precise and stable delivery of welding wire to the welding zone, which is essential in applications requiring the highest quality joints. The feeder enables the production of uniform and clean welds, which are crucial for high-standard productions. Its design ensures seamless integration with various models of SPARTUS® Easy laser welders.



« SP050-01-010

» DOUBLE WIRE FEEDER

The SPARTUS® double wire feeder is designed to increase the efficiency and quality of welding processes in the most demanding industrial environments. The SPARTUS® double wire feeder offers:

Increased productivity

Reduces downtime associated with spool replacement, contributing to speeding up and increasing the efficiency of production cycles.

Versatility

Enables quick adaptation to changing project requirements.

Process optimization

Allows users to seamlessly switch between wires with different properties to adjust the welding process to specific tasks.



« SP050-01-015



PARAMETERS

Output power	1 200W
Input	230V
Operating mode	continuous / modulation
Scanning speed	2 - 6000 mm/s
Scanning width	0 - 6 mm
Frequency	5 - 5000Hz
Cooling type	gas

Duty cycle	100%
Weight	57 kg
Dimensions	730 × 350 × 640 mm

WELDING MATERIALS

Stainless steel	3 mm
Carbon steel	3 mm
Aluminum	3 mm

The set includes:

- ✓ laser source
- ✓ handheld laser head (8,5m) with F150 focus lens
- ✓ wire feeder with 1.2 - 1.6V f137 rollers
- ✓ 2x wire guide rollers 0.8 - 1.0V f137
- ✓ insulated steel liner
- ✓ teflon liner
- ✓ set of single nozzles for the laser head
- ✓ single wire feeder tips
- ✓ protective lenses

Available with head

A230



Easy 1500



PARAMETERS

Output power	1 500W
Input	230V
Operating mode	continuous / modulation
Scanning speed	2 - 6000 mm/s
Scanning width	0 - 6 mm
Frequency	5 - 5000Hz
Cooling type	liquid
Duty cycle	100%

Weight	140 kg
Dimensions	956 x 580 x 823 mm

WELDING MATERIALS

Stainless steel	5 mm
Galvanized sheet	4 mm
Iron	5 mm
Mild steel	4 mm
Aluminum	3 mm
Brass	2 mm

The set includes:

- ✔ laser source **Raycus**
- ✔ handheld laser head (9,5m) with F150 focus lens
- ✔ wire feeder with 1.2 - 1.6V f37 rollers
- ✔ distilled water or coolant – selection depending on the season

- ✔ 2x wire guide rollers 0.8 - 1.0V f37
- ✔ insulated steel liner
- ✔ teflon liner
- ✔ set of single nozzles for the laser head
- ✔ single wire feeder tips
- ✔ protective lenses

Available with head

F210 or F230





PARAMETERS

Output power	2 000W
Input	230V
Operating mode	continuous / modulation
Scanning speed	2 - 6000 mm/s
Scanning width	0 - 8 mm
Frequency	5 - 5000Hz
Cooling type	liquid
Duty cycle	100%

Weight	165 kg
Dimensions	956 x 580 x 823 mm

WELDING MATERIALS

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

The set includes:

- ☑ laser source **RAYCUS**
- ☑ handheld laser head 9,5m) with F150 focus lens
- ☑ wire feeder with 1.2 - 1.6V f37 rollers
- ☑ distilled water or coolant – selection depending on the season
- ☑ 2x wire guide rollers 0.8 - 1.0V f37
- ☑ insulated steel liner

- ☑ teflon liner
- ☑ set of single nozzles for the laser head
- ☑ single wire feeder tips
- ☑ protective lenses
- ☑ 4 wire guide rollers 2.0 -2.5V f37*
- ☑ head support for double liner*
- ☑ 6 double welding nozzles*
- ☑ 3 double wire feeder tip*

* additional set elements when choosing a double feeder

Available with head

F210, F230 or F280*

*In the option with a double feeder



Easy 3000



Option
with a double
feeder

PARAMETERS

Output power	3 000W
Input	400V
Operating mode	continuous / modulation
Scanning speed	2 - 6000 mm/s
Scanning width	0 - 8 mm
Frequency	5 - 5000Hz
Cooling type	liquid
Duty cycle	100%

Weight	220 kg
Dimensions	1140 x 595 x 1080 mm

WELDING MATERIALS

Stainless steel	8 mm
Galvanized sheet	6 mm
Iron	8 mm
Mild steel	8 mm
Aluminum	5 mm
Brass	4 mm

The set includes:

- ✓ laser source **Raycus**
- ✓ handheld laser head (9,5m)
with F150 focus lens
- ✓ wire feeder with 1.2 - 1.6V f37 rollers
- ✓ distilled water or coolant - selection
depending on the season
- ✓ 2x wire guide rollers 0.8 - 1.0V f37
- ✓ insulated steel liner

- ✓ teflon liner
- ✓ set of single nozzles for the laser head
- ✓ single wire feeder tips
- ✓ protective lenses
- ✓ 4 wire guide rollers 2.0 - 2.5V f37*
- ✓ head support for double liner*
- ✓ 6 double welding nozzles*
- ✓ 3 double wire feeder tip*

* additional
set elements
when
choosing
a double
feeder

Available with head

F210 or F230





WELDING NOZZLE

TYPE 1

- SP050-10-001



WELDING NOZZLE

TYPE 2

- SP050-10-002



CUTTING NOZZLE

- SP050-10-003



WELDING NOZZLE

TYPE 1

- SP050-10-008 wire fi 0.8mm
- SP050-10-010 wire fi 1.0mm
- SP050-10-012 wire fi 1.2mm
- SP050-10-016 wire fi 1.6mm



WELDING NOZZLE

TYPE 2

- SP050-10-208 wire fi 0.8mm
- SP050-10-210 wire fi 1.0mm
- SP050-10-212 wire fi 1.2mm
- SP050-10-216 wire fi 1.6mm



WIRE FEEDER TIP

- SP050-15-008 wire fi 0.8mm
- SP050-15-010 wire fi 1.0mm
- SP050-15-012 wire fi 1.2mm
- SP050-15-016 wire fi 1.6mm



WELDING NOZZLE

TYPE 1

- SP050-10-610 double wire fi 1.0mm
- SP050-10-612 double wire fi 1.2mm
- SP050-10-616 double wire fi 1.6mm
- SP050-10-620 double wire fi 2.0mm



WIRE FEEDER TIP

- SP050-15-610 double wire fi 1.0mm
- SP050-15-612 double wire fi 1.2mm
- SP050-15-616 double wire fi 1.6mm
- SP050-15-620 double wire fi 2.0mm



GRADUATED TUBE

- SP050-12-010



LASER HEAD SUPPORT

- SP050-12-005
single guide



LASER HEAD SUPPORT

- SP050-12-605
double guide



LASER WELDING
MACHINE
parts diagram





PROTECTIVE LENS

- SP050-11-001



FOCUS LENS

F150

- SP050-11-002

welding, cutting, cleaning
up to 30mm



FOCUS LENS

F400

- SP050-11-003

celaning up to 60mm



FOCUS LENS

F800

- SP050-11-004

celaning up to 120mm



O-RING

FOR THE LENS

- SP050-11-010



INSULATED

STEEL LINER

- SP050-16-012 wire fi 0.8-1.6mm

single



TEFLON LINER

- SP050-17-012 wire fi 0.8-1.6mm

double



INSULATED

STEEL LINER

- SP050-16-612 wire fi 0.8-1.6mm

double



TEFLON LINER

- SP050-17-612 wire fi 0.8-1.6mm

double



WIRE GUIDE ROLLER

FI37 V

- SP-ROL371510-0810V
wire fi 0.8-1.0mm
- SP-ROL371510-1216V
wire fi 1.2-1.6mm
- SP-ROL371510-1620V
wire fi 1.6-2.0mm
- SP-ROL371510-2025V
wire fi 2.0-2.5mm



WIRE GUIDE ROLLER

FI37 U

- SP-ROL371510-0810U
wire fi 0.8-1.0mm
- SP-ROL371510-1012U
wire fi 1.0-1.2mm
- SP-ROL371510-1216U
wire fi 1.2-1.6mm
- SP-ROL371510-2025U
wire fi 2.0-2.5mm



LASERFROST

COOLING LIQUID

- SP050-90-005

» LASERBOX

LaserBOX is a complete set of spare parts desgintant for the head of a laser welding machine. LaserBOX provides everything needed to quickly and efficiently replace worn or damaged components.



LASERBOX

HEAD PARTS KIT

[single wire feeder]

• SPBOX7-LASER-10



LASERBOX

HEAD PARTS KIT

[double wire feeder]

• SPBOX7-LASER-20



SP050-10-001	Welding nozzle TYPE 1	2 pcs
SP050-10-002	Welding nozzle TYPE 2	2 pcs
SP050-10-008	Welding nozzle TYPE 1 wire 0.8mm	3 pcs
SP050-10-010	Welding nozzle TYPE 1 wire 1.0mm	3 pcs
SP050-10-012	Welding nozzle TYPE 1 wire 1.2mm	3 pcs
SP050-10-016	Welding nozzle TYPE 1 wire 1.6mm	2 pcs
SP050-10-212	Welding nozzle TYPE 2 wire 1.2mm	2 pcs
SP050-10-216	Welding nozzle TYPE 2 wire 1.6mm	2 pcs
SP050-15-008	Wire feeder tip 0.8mm	3 pcs
SP050-15-010	Wire feeder tip 1.0mm	3 pcs
SP050-15-012	Wire feeder tip 1.2mm	3 pcs
SP050-15-016	Wire feeder tip 1.6mm	2 pcs
SP050-11-001	Protective lens	4 pcs
SP050-11-002	Focus lens F150	1 pcs
SP050-11-003	Focus lens F400	1 pc
SP050-11-004	Focus lens F800	1 pc
SP050-11-010	O-ring	2 pcs



SP050-10-001	Welding nozzle TYPE 1	2 pcs
SP050-10-002	Welding nozzle TYPE 2	2 pcs
SP050-10-612	Welding nozzle TYPE 1 (double wire 1.2mm)	5 pcs
SP050-10-616	Welding nozzle TYPE 1 (double wire 1.6mm)	5 pcs
SP050-10-620	Welding nozzle TYPE 1 (double wire 2.0mm)	5 pcs
SP050-15-612	Double wire feeder tip 1.2mm	4 pcs
SP050-15-616	Double wire feeder tip 1.6mm	4 pcs
SP050-15-620	Double wire feeder tip 2.0mm	3 pcs
SP050-11-001	Protective lens	4 pcs
SP050-11-002	Focus lens F150	1 pc
SP050-11-003	Focus lens F400	1 pc
SP050-11-004	Focus lens F800	1 pc
SP050-11-010	O-ring	2 pcs



HELMET LS120

• 080-05-002

Field of view: 112x120mm
Wavelength range: 900-1100nm OD7+
DIN protection class: 4
Filtering highly specialized:
900-1100nm D LB6 + IR LB7 LP S



SAFETY GLASSES

• SP050-20-003

Wavelength range: 800-900nm OD>6
900-1100nm OD>7
DIN protection class: 4
Highly specialized filtration:
800-900nm D LB5 + IR LB6
900-1080nm D LB5 + IR LB7 LP S



LASER WELDING HELMET

SPARTUS®
ULTRA VX27

PROFESSIONAL EYE AND FACE PROTECTION AGAINST LASER BEAM

» The **SPARTUS® Ultra VX27** is a specialized helmet designed for laser welding, cleaning, and cutting, developed with maximum user protection in mind. It's more than just an auto-dimming filter – it's a comprehensive facial protection system that, thanks to a special coating, effectively shields against reflected and scattered laser radiation.

ADVANTAGES OF THE

SPARTUS® Ultra VX27 HELMET



Effective eye and face protection
against harmful laser beams



High protection level:
1000–1100 nm
D LB7 + IR LB8



Fully compliant with safety standards:
EN 207:2017 and EN ISO 16321



Multi-adjustable headgear
– perfect ergonomic fit for every user



Lightweight design
– for enhanced comfort during extended use

AUTOMATIC

WELDING FILTER



Exceptionally bright standby mode – only DIN 2



Ultra-fast dimming time
– reaction time of 1/25,000 s



Wide shade range:
DIN 4–8 and DIN 8–12



Digital battery
level indicator



Three operating modes for various applications:

- **DARK** – constant shade with adjustable level
- **GRIND** – grinding mode
- **MIX** – perfect for spot or high-power welding, with a gradient phase to reduce eye strain

SPARTUS® Ultra VX27

Product code:

• 080-05-VX27

APPLICATION	laser welding, cleaning and cutting
ACTIVE FIELD OF VIEW	96 x 46.5 mm
FILTER OPTICAL CLASS	1 / 1 / 1 / 2
CARTRIDGE SIZE	110 x 90 x 9 mm
SENSORS	2
SHADING (STANDBY)	2
VARIABLE WELDING SHADES (OPERATING)	4 - 8 / 8 - 12
LIGHT TO DARK SWITCHING TIME	1/25 000 s
DELAY CONTROL LIGHT TO DARK SWITCHING TIME	0.1 - 1.0 s
UV/IR PROTECTION DEGREE	to DIN 16
HIGHLY SPECIALIZED FILTRATION :	1000 - 1100nm D LB7 + IR LB8
SPECIAL MODES	GRIND / MIX / DARK
POWERED	solar cells, battery CR2450



ALSO AVAILABLE
option with helmet

Product code:

• 080-05-VX27K

» **The SPARTUS® Ultra VX27** is a solution for professionals who demand not only effective protection, but also comfort and top-quality craftsmanship. This laser welding helmet meets the demands of modern industrial technologies and responds to the real needs of professionals.

LASER WELDING HELMET WITH AIR SUPPLY SYSTEM

SPARTUS®
ULTRA VX27

COMPREHENSIVE PROTECTION FOR LASER WORK

» **SPARTUS® Ultra VX27** is a specialist helmet designed for laser welding, cleaning, and cutting, developed with maximum user protection in mind. It is not just an auto-darkening filter that protects the eyes – it is a comprehensive face protection system, equipped with a special coating that effectively shields against reflected and scattered laser radiation. When combined with the Ultra X air supply system, it forms a complete solution for protecting the eyes, face, and respiratory tract, tailored to the demands of industrial environments.

AIR SUPPLY

SYSTEM ULTRA X

Gas filter
available as
an option.
Not included
in the set.



High filtration
efficiency



Two airflow levels:
170 l/min and 210 l/min



Long battery life



Digital battery level
indicator



Visual, audible, and vibration
alarms



Compliance with standards:
EN12941:1998 +A1:2003 +A2:2008

SPARTUS®
Ultra VX27
 WITH AIR SUPPLY SYSTEM

Product code:
 • 080-05-VX27N

THE SET **»**
INCLUDES

- SPARTUS® Ultra VX27 helmet with air supply system
- 5 pcs. outer protective cover lens
- 2 pcs. inner protective cover lens
- Ultra X air supply system
- Air hose with protective sleeve
- Main HEPA filter
- Spark guard
- Pre-filter with activated carbon
- Airflow indicator
- Lithium-ion battery
- Harness
- Charger

ULTRA X AIR SUPPLY SYSTEM
 TECHNICAL DETAILS

ADJUSTMENT KNOB AND SWITCH	inside
VARIABLE AIR SUPPLY SPEED CONTROL	170 l/min ; 210 l/min
OPERATING TIME	9h
CHARGING CYCLE	≥ 500
CHARGING TIME	1h



ULTRA VX27
 WITH AIR SUPPLY SYSTEM
 VIDEO PRESENTATION

Accessories



POLYCARBONATE SHIELD

95 × 111 mm [front - Ultra VX27]

• 082-95-111



POLYCARBONATE SHIELD

51 × 98 mm [inside - Ultra VX27]

• 082-51-098



SWEATBAND

for helmet SPARTUS® Ultra VX27

• 080-05-VX27-I



HEADGEAR

for helmet SPARTUS® Ultra VX27

• 080-05-VX27-C



FABRIC SEAL

for helmet SPARTUS® Ultra VX27

• 080-05-VX27-M



HOSE COVER

for helmet SPARTUS® Ultra VX27

• 080-05-VX27-P



PARTICULATE FILTER

for SPARTUS® Ultra X air supply

• 080-15-101



PRE-FILTER

for SPARTUS® Ultra X air supply

• 080-15-104



SPARK SCREEN

for SPARTUS® Ultra X air supply

• 080-15-103



GAS FILTER A2

for SPARTUS® Ultra X air supply

• 080-15-120



GAS FILTER ABEK1

for SPARTUS® Ultra X air supply

• 080-15-122



BATTERY

[standard] for SPARTUS® Ultra X air supply

• 080-15-110



BATTERY

[high-capacity] for SPARTUS® Ultra X air supply

• 080-15-110L



CHARGER

for SPARTUS® Ultra X air supply

• 080-15-111



SHOULDER STRAP

for SPARTUS® Ultra X air supply

• 080-15-111



BELT CUSHION

for SPARTUS® Ultra X air supply

• 080-15-140



HOSE COVER

for SPARTUS® Ultra X air supply

• 080-15-106



QUICK-CONNECTION HOSE

for SPARTUS® Ultra X air supply

• 080-15-105



O-RING

for SPARTUS® Ultra X air supply

• 080-15-109



AIRFLOW INDICATOR

for SPARTUS® Ultra X air supply

• 080-15-130

Protective cover



FOR SPARTUS® EASY LASER
WELDER AND CLEANER

» **Ensure longer service life for your equipment** with a dedicated protective cover for SPARTUS® Easy laser welders and cleaners. Made from durable material, the cover effectively shields the devices from dust, debris, and dirt that could negatively impact sensitive components and electronics.

Thanks to the built-in drawstring at the bottom, the cover fits snugly around the housing, preventing accidental slipping and further limiting the entry of contaminants. A simple yet highly effective solution for storing equipment in a workshop, warehouse, or production hall.



PROTECTIVE COVER
for the Easy 1500/2000 laser welder
and Easy 1500CL cleaner

• SP050-25-001



PROTECTIVE COVER
for the Easy 3000 laser welder
and Easy 2000CL cleaner

• SP050-25-002

• Advertisement

LASER CUTTING MACHINES

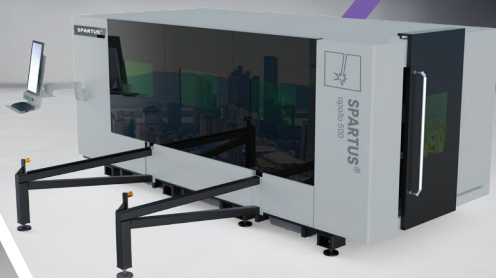


APOLLO 700

CUTTING
PRECISION AT THE
HIGHEST LEVEL

SPARTUS®

APOLLO 500



EASY LASER CLEANERS



The most advanced and efficient metal cleaning technology

The SPARTUS® Easy 1500CL/2000CL is an advanced laser cleaning device designed for professionals in the metal processing industry. This machine offers an ideal solution for fast and efficient removal of rust, paint, contaminants, and other unwanted layers from various metal surfaces. Utilizing modern fiber laser technology, SPARTUS® 1500CL/2000CL ensures high-precision cleaning without damaging the base layer of the metal.

ADVANTAGES OF LASER CLEANING

Power - equipped with powerful capabilities, it enables quick and effective cleaning, even of the toughest contaminants.

Technology - the use of laser light allows for precise targeting and removal of unwanted layers without physical contact with the material.

Safety and Ecology - laser cleaning technology is safe for the user and eliminates the need for chemicals, making it environmentally friendly.

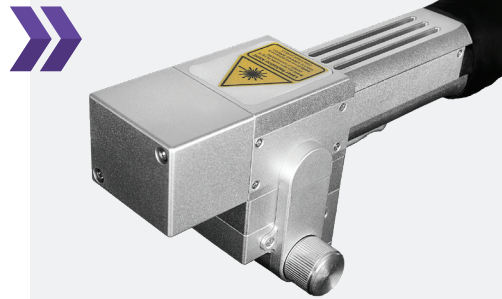
Ease of Use - an intuitive control panel and ergonomic design make the SPARTUS® laser cleaner user-friendly, even for less experienced operators.

Versatility of Applications - ideal for renovation, maintenance, and surface preparation for further processing.



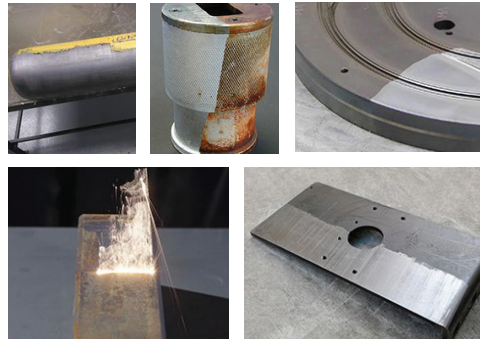
CLEANING HEAD SPARTUS® C220

The exceptionally lightweight and ergonomic SPARTUS® C220 cleaning head is a key component of the laser cleaners. Constructed from lightweight materials, it ensures ease of use even during prolonged operations. Various focusing lenses allow for precise adjustment of the cleaning width to 150 mm, 225 mm, or 300 mm, depending on project requirements. This versatility makes the C220 head highly effective across a range of industrial applications, enabling quick and accurate cleaning of metal surfaces.



APPLICATION OF A LASER CLEANING MACHINE

Perfect for cleaning metals across various industries, including automotive, aviation, machinery manufacturing, and many others. It also performs exceptionally in renovation workshops and maintenance facilities.



Easy 1500CL

Easy 2000CL



PARAMETERS	EASY 1500CL	EASY 2000CL
Output power	1 500 W	2 000 W
Input	230 V	230 V
Duty cycle	100%	100%
Operating mode	continuous	continuous
Scanning speed	2 - 6 000 mm/s	2 - 6 000 mm/s
Scanning width	F400: 0 - 150 mm F600: 0 - 225 mm F800: 0 - 300 mm	F400: 0 - 150 mm F600: 0 - 225 mm F800: 0 - 300 mm
Frequency	5 - 5 000 Hz	5 - 5 000 Hz
Cooling type	liquid	liquid
Weight	140 kg	220 kg
Dimensions	956 x 580 x 823 mm	1140 x 595 x 1080 mm

The set includes:

- ☑ laser source **Raycus**
- ☑ C220 handheld laser head (9,5m) with F800 focus lens
- ☑ distilled water or coolant – selection depending on the season
- ☑ additionally: F400 focus lens and 5 protective lenses

Available with head

C220





PARTS DIAGRAM
for laser cleaners



PROTECTIVE LENS

• SP050-11-071



FOCUS LENS

F400

• SP050-11-074

Cleaning up to 150mm



FOCUS LENS

F600

• SP050-11-076

Cleaning up to 225mm



FOCUS LENS

F800

• SP050-11-078

Cleaning up to 300mm



O-RING FOR THE LENS

• SP050-11-710



SEAL FOR PROTECTIVE LENS

• SP050-11-740



LASER WELDING CELL



**Ensure Maximum
Safety in Laser Work!**

» We offer ready-made laser welding cells and components for building custom workstations – quick to assemble and compliant with safety standards.

3 Ready-to-Use Laser Welding Cell Options!



» MODEL A



» **3360x3300 mm**
Compact – perfect
for small spaces

» MODEL B



» **4460x4400 mm**
Medium – optimal
for most applications

» MODEL C



» **5560x5500 mm**
Large – ideal for advanced
production lines

Build Your Own Laser Welding Cell!



Modular screens and doors enable protection to be configured according to your needs.



» Screen
1100x2000 mm



» Panel
z podglądem
1100x2000 mm



» Door
1100x2000 mm



» Door with
viewing window
1100x2000 mm

**Why is it
worth it?**



Compliance with laser

..... safety standards: DIN EN 12254:2012-4,
EN 60825-4:2006, DIN EN 12254:2010+AC:2011



Easy and fast assembly with expandability



Effective protection

..... against Class 4 laser
radiation

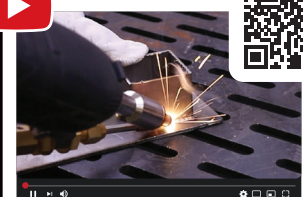


Modern and aesthetic design

**Secure your laser
welding workstation
today!**



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