Automate Your Business!

WelderStal TECHNOLOGY

Cobots and Laser Welders
Precision, Efficiency, and Automation.

WelderStal TECHNOLOGY

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COLLABORATIVE ROBOT

COLLABORATION BETWEEN HUMANS AND ROBOTS



Safety

Works side by side with humans, automatically stopping upon contact.

Versatility

Performs a variety of tasks, from welding to assembly and packaging.

Cobot

What does it mean in practice?

Ease of Use

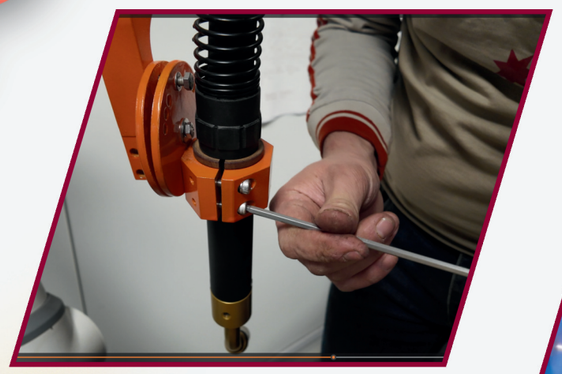
Intuitive programming with no need for specialized knowledge.

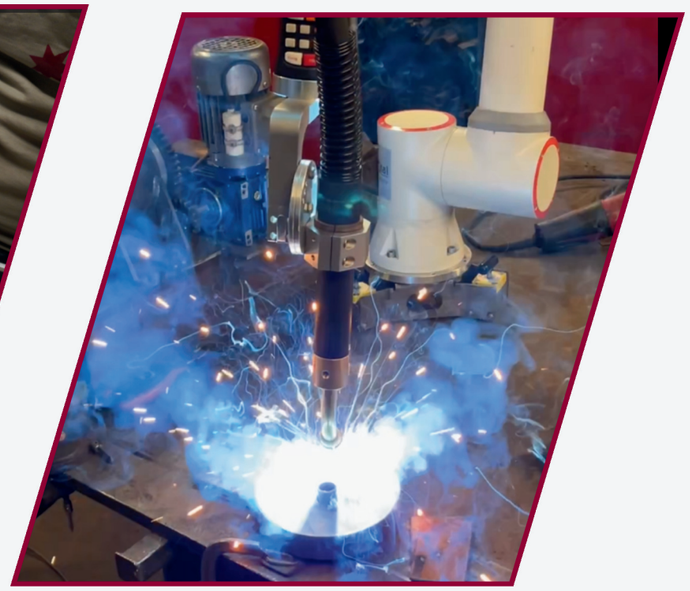
Precision

Delivers accuracy and repeatability in every operation.

WHAT WE OFFER?

- Implementation
- Sales
- Training
- Consulting
- Technical Support





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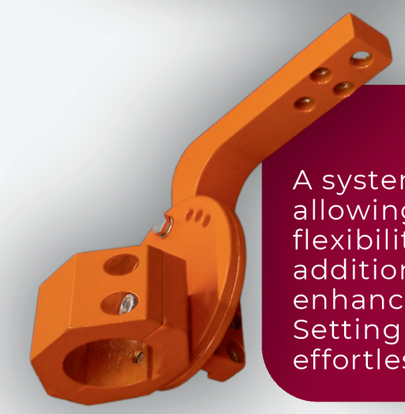
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ADDITIONAL ACCESSORIES

Smart Control Tool

A specially designed module that enables program creation in just a few minutes. With this tool, no specialized knowledge of robot programming is required. Its user-friendly operation allows an ordinary employee, after brief training, to independently operate our cobot.





7th Axis

A system that expands the capabilities of the cobot, allowing for additional movements and providing greater flexibility in operation. By manually adjusting the additional axis, the cobot's functionality is significantly enhanced without the need to modify the program. Setting the tool at the desired angle becomes quick and effortless.

Magnetic Base

A base to which the cobot can be attached and secured to the surface using magnets. This allows the cobot to be easily moved to another workstation.



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MIG-MAG Machine Torch

Its application quickly transforms the cobot into a welding robot. Our torch configuration allows for seamless integration with any welding machine – even one that's over 20 years old.





Acetylene-Oxygen Machine Torch

This combination of a cobot with machine cutting provides an affordable solution for a 5-axis CNC machine, capable of assisting not only in cutting but also in beveling thick plates

Plasma Machine Torch

By equipping our cobot with a plasma machine torch, it can be easily transformed into a precise tool for cutting holes in preassembled structures without the need for disassembly. This setup allows for both hole cutting and shaping various profiles, such as HEB, IPE, and others.





3D Camera

An advanced optical device that enables the cobot to precisely recognize the shapes, dimensions, and positions of objects in three-dimensional space. This tool enhances the accuracy of operations such as assembly, sorting, and quality control, even in dynamic production environments.

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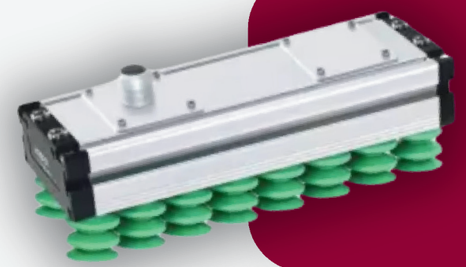
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Gripper

A device that enables the cobot to grasp and manipulate objects, such as during assembly tasks.





Vacuum Gripper

A gripper that uses vacuum technology to handle delicate items, such as glass or thin sheets of metal.

Force Sensor

A device that measures the force exerted by the cobot, enabling precise and safe task execution.





Touch Pad

Our touchpads are not essential for cobot operation – a laptop or tablet can be used, as the control program is stored in the main controller. However, we offer professional wired and wireless touchpads that are better suited for production environments than a laptop, making work easier for you and your employees.

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What Does the

FUTURE HOLD WITH COBOTS?

Cobots are not just the present but above all, the future of industry.

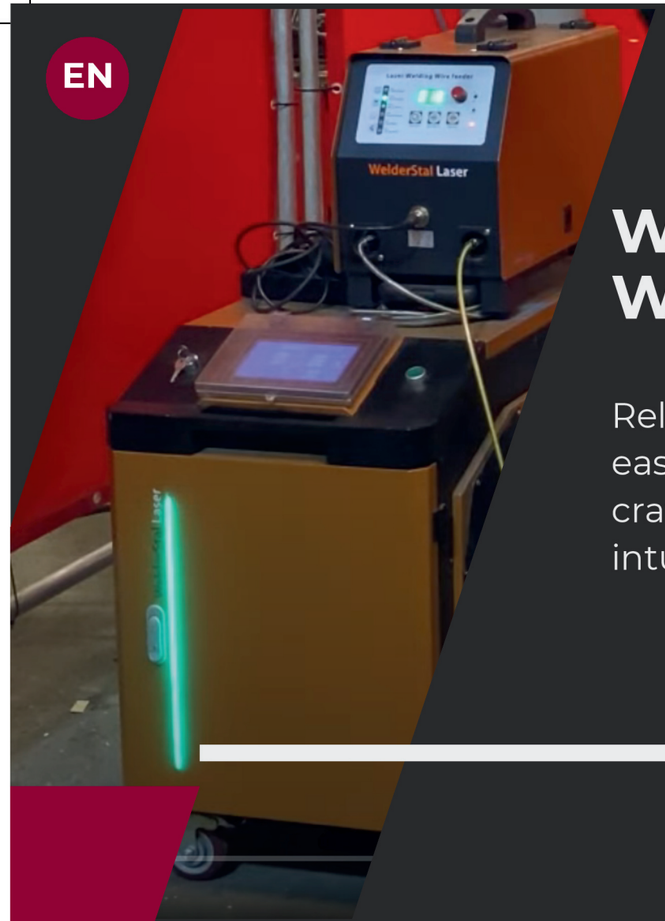
In the era of Industry 4.0, they play a key role in integrating modern technologies with traditional production processes.

With their advanced features and ability to collaborate with humans, cobots are the perfect solution for companies looking to boost efficiency while reducing costs.

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Welderstal Laser Welders

Reliable and proven devices, easy to operate, high-quality craftsmanship, and tested intuitive software.

Winter is No Obstacle?

Thanks to the integrated laser source heating system, the welder can operate even in low temperatures.



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Dual Wire Feeder System

With its innovative design allowing the use of two different types of welding wires, this feeder is the perfect solution for laser welders.



Mobile Cart

The welder and gas cylinder are integrated, making it easier to move around the production hall.

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ADDITIONAL **WELDING** ACCESSORIES

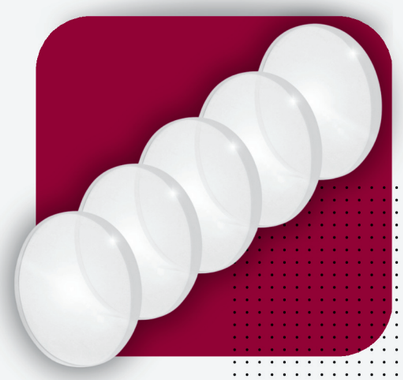


FOCUSING LENSES

High-quality materials and precise craftsmanship are the foundation of a well-functioning welding torch. The lenses for our welders have been thoroughly tested and evaluated to ensure the selection of a supplier that provides 100% reliability and quality assurance.

PROTECTIVE LENSES

Exceptionally precise protective lenses ensure that the laser beam remains undistorted and intact, preventing any negative impact on the welding process.





NOZZLE SET

Nozzles are an essential component that significantly influences the welding process. Choosing the right nozzle is half the success of achieving a well-made weld. With our wide range of nozzles, you can easily match your choice to your specific requirements and quickly replace them without the need for specialized tools.

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WELDING

An exceptionally fast and precise method for joining metals. With the Welderstal welder, you can easily and efficiently weld metals such as mild steel, stainless steel, aluminum, and more. After a short training session, any employee can acquire valuable skills, enabling employers to enhance both the speed and quality of production or services provided.

LASER

CUTTING

To maximize the capabilities of the Welderstal laser welder, it's impossible to overlook another key function it offers—cutting. With a quick change to a cutting nozzle, this device transforms into a tool capable of precise material cutting.





CLEANING

With the Welderstal laser welder, this machine can transform into a professional cleaning device in just a few minutes, replacing traditional methods like sandblasting. Laser cleaning effectively removes rust, paint, or grease from surfaces. Its advantages go beyond efficiency: laser cleaning generates minimal dust, requires no additional materials, or the use of chemicals, making it a significantly more environmentally friendly method compared to conventional cleaning techniques.

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