

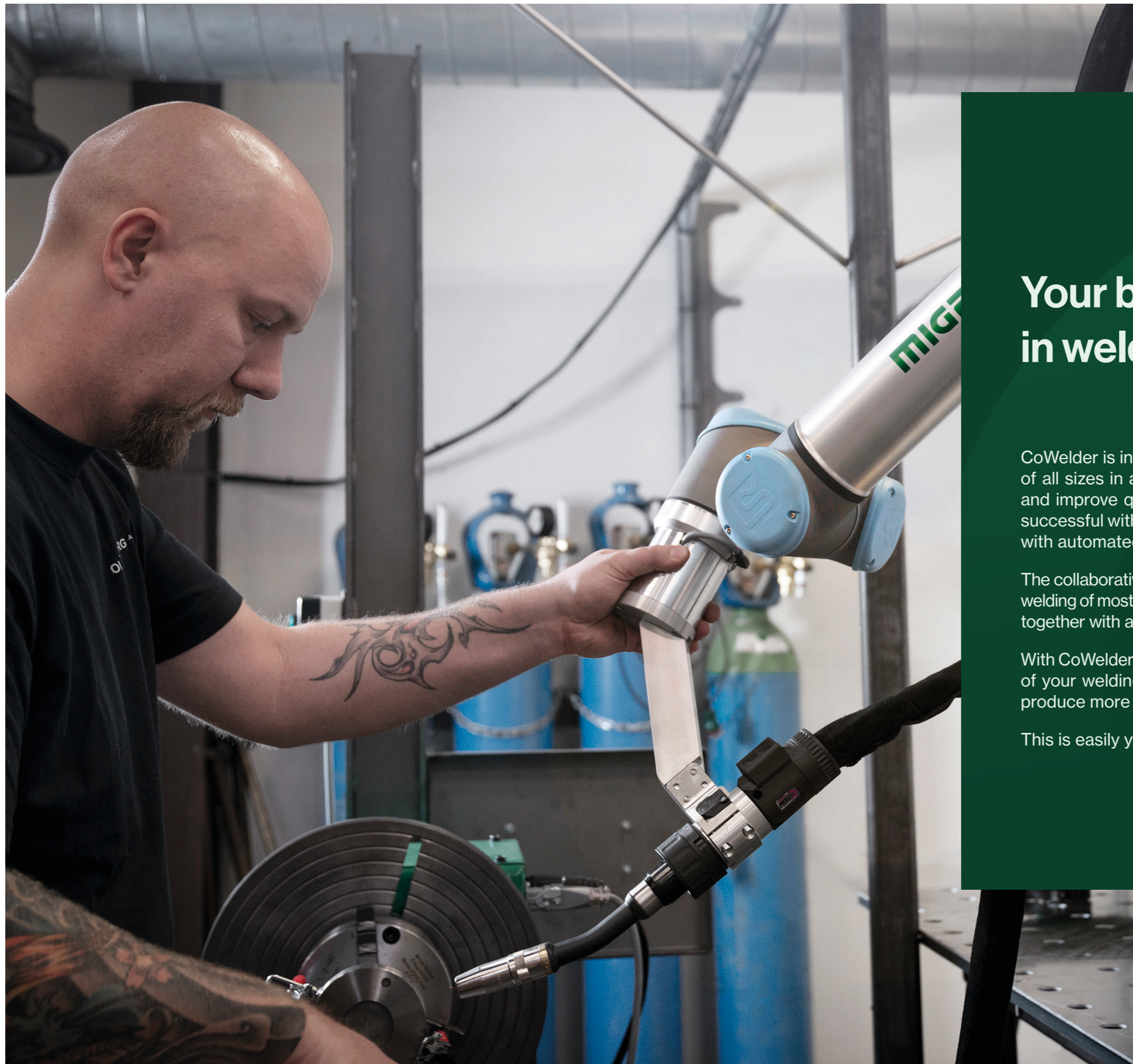
CoWelder

A collaborative welding solution



Improve your production.
Gain competitive advantages.
Grow your business.
Explore the potential.

MIGATRONIC



Your best investment in welding

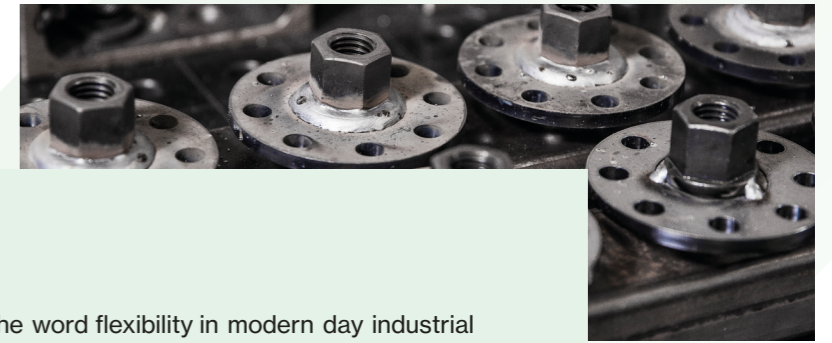
CoWelder is invented for ambitious manufacturing companies of all sizes in all industries that want to increase productivity and improve quality. All kinds of welding productions can be successful with CoWelder even without having any experience with automated processes.

The collaborative welding robot for MIG/MAG and TIG optimises welding of most workpieces. It needs little safety fencing and works together with an operator or a welder in a shared workspace.

With CoWelder, you will experience an immediate transformation of your welding production. You will quickly see that you can produce more in less time and in a smarter way.

This is easily your best investment in welding.

CoWelder optimises your welding production



Max out on flexibility

CoWelder brings a new definition to the word flexibility in modern day industrial production. Weld small or large batches and often or rarely recurring tasks. You can upscale and downscale quickly when necessary. Adjust the production to specific orders or produce for stock at low volume times. If you need flexibility - this is it.

Create high quality welds

With CoWelder, workpieces will be welded in the same way every time independent of the frequency, the batch size or who the operator is. You can increase the repeatability and reduce your error rate significantly. Be able to deliver completely identical welds in an outstanding quality and improve your product.



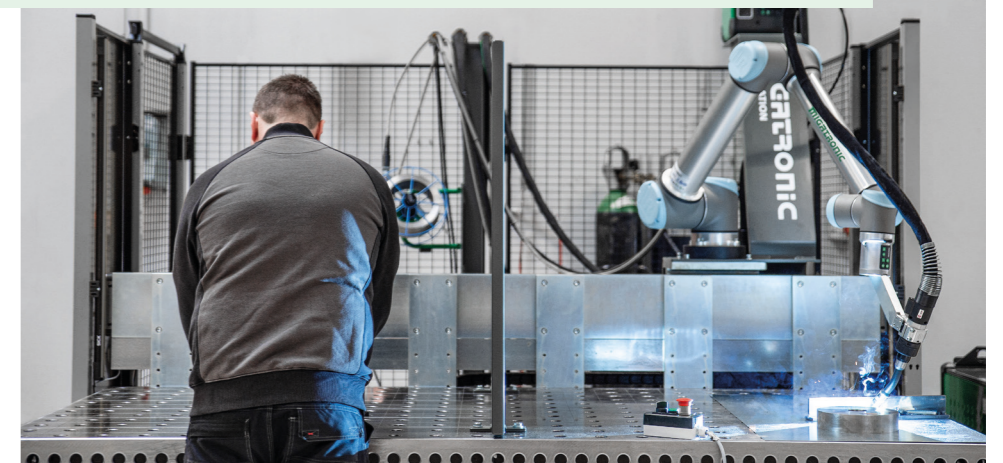
Free your welders

Let the CoWelder take over the dull routine jobs. The robot will minimise monotonously repeated work and eliminate undesired working postures. Avoid the tiresome and time-consuming manual welding of large batches. Utilise the knowhow of your skilled welders for the most complicated and more rewarding tasks - the robot will not take over the welders' jobs.



Finish more in less time

CoWelder is extremely efficient because the robot arm movements are fine-tuned towards spending just the necessary time on each weld. With high quality weld seams, you can reduce the time you spend on post-treatment. That increases your productivity and production capacity. It also reduces your processing time *and* production cost per workpiece.



CASE

CoWelder enables flexibility in a small-batch production

VM Tarm produces 250 customised tank trucks every year. With CoWelder, it was possible to automate their small-batch production of standard components. It lowered the cost price on some components and improved the quality of their product.

Challenge

In a small-batch production, flexibility is an essential requirement. When producing customised products, batch sizes are small – sometimes just one component - and none of them are produced for stock. That is why it can be a challenge to find a way to automate parts of the production.

Solution

Customised tank trucks contain some standard components. Many of them are quite large and requires several welds. By redesigning some of the standard components, they turned out to be perfectly suited for the CoWelder. They are recurring tasks that normally would be routine jobs for welders.

Outcome

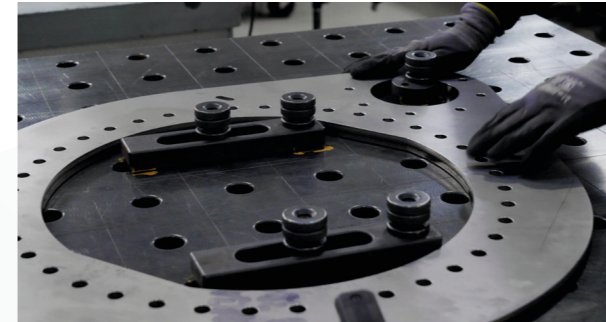
Letting CoWelder weld 100+ standard components, VM Tarm improved efficiency because the operator can work on something else while CoWelder does the welding. This increases the capacity and provides the flexibility they need. Standard components are now 100% identical and the quality is consistent.

100+
standard components
welded on the CoWelder

840
yearly arc hours released
to the welding staff

“CoWelder made us think differently about our production processes. We constantly try to find more components for the robot, because it improves the quality and we can finish more in less time.”

Lars Pedersen, Foreman



“We have been able to lower the cost price on some of the components that CoWelder makes. It provides the flexibility we need to make it a cost-effective way of automating our production even though our series are small.”

Karsten Lauridsen, Production Manager



“I worked as a welder for many years and at some point, my job got dull. It was too much of the same. That is why it was great for me to be included in the CoWelder project. It is safe to say that working with the CoWelder, I rediscovered how fun work can be.”

Teddy Bregnholm, Robot Operator

There are many reasons why CoWelder

01.

Experts in welding solutions

We develop innovative solutions for manual and automated welding. In CoWelder, we have combined advanced welding technology with pioneering robot technology. We designed a scalable welding cobot concept, where you can tailor a solution that matches the current and potential needs in your production.

02.

Professional consultancy and guidance

Our welding specialists and CoWelder experts can guide you in all aspects of your investment; from choosing the right setup to introducing how simple robot programming can be. We also assist you in integrating CoWelder in your existing production to facilitate a successful start and the shortest possible return on investment.

03.

Service and support any time

You are never on your own. Regardless of your level of experience with automated welding, we can help optimising your CoWelder setup. You can get service and support dealing with advanced welding functions, adding new equipment, programming, training of new staff or anything else you might need at any given time.

04.

Constantly in development

More than 300 CoWelder solutions are increasing productivity and improving product quality in manufacturing companies all over Europe. Our dedicated software engineers, welding experts and robotics technicians are constantly working on increasing the CoWelder product range to extend its applicability.



“With the CoWelder, our employees only need to fix the workpieces to the welding robot, which is equipped with a Cold Wire Feeder that automatically feeds filler rod into the weld pool. We have optimised our TIG production remarkably because of the CoWelder’s spectacular efficiency and high welding quality.”

Lars Ryefalk, Market Director at AB Furhoffs Rostfria, Sweden



What our customers are saying...

...about capacity

“Our motivation for automating the welding process is to prevent the shortage of skilled workers. The efficiency of the CoWelder allows us to release work capacity for other tasks.”

Kuhz Metallbau, Germany

..about motivation

“You know, it is hard to motivate an employee to do the same work for 700 hours. That is not a problem with the CoWelder.”

Kuhz Metallbau, Germany

..about the staff

“Since the robot is so easy to operate, we intend to train several of our employees in operating it. This will prevent downtime in case of sickness or holidays because there will always be a colleague who can take over.”

Samson Agro, Denmark

..about quality

“It gives a brilliant and uniform finish that minimises the need for post-treatment. This is very important for us as suppliers to the food industry.”

Ole Almeborg, Denmark

...about flexibility

“We are pleased with the CoWelder because programming components and switching from one component to another is easy – its flexibility is amazing.”

L&S Technischer Handel, Germany

..about ergonomics

“Welding can be hard work, especially when our welders are working on large batches. With the CoWelder, our welders are relieved from this kind of work, which has remarkably improved their working environment.”

Smed T. Kristiansen, Norway

CoWelder



Explore more on cowelder.com

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