

Lasting Connections

# CO-BRO® THE NEW WORLD OF COLLABORATIVE WELDING





## LASTING CONNECTIONS

As a pioneer in innovative welding consumables, Böhler Welding offers a unique product portfolio for joint welding worldwide. More than 2000 products are adapted continuously to the current industry specifications and customer requirements, certified by well-respected institutes and thus approved for the most demanding welding applications.

### **Our customers benefit from a partner with**

- » the highest expertise in joining, rendering the best application support globally available
- » specialized and best in class product solutions for their local and global challenges
- » an absolute focus on customer needs and their success
- » a worldwide presence through factories, offices and distributors

# CO-BRO®

The CO-BRO® is a revolutionary approach to robot-assisted welding.

Initial investments are dramatically reduced, system programming is extremely easy, and the end result is a net increase in efficiency for the entire process.

Böhler Welding's CO-BRO® is the opportunity to enter in the collaborative robot welding which drastically simplifies all installation and start-up operations (programming, parameter setting, training...) and at the same time ensures high productivity even with low volume productions.

- » Quick and easy integration in the production flow.
- » Simple, intuitive programming.
- » Significant improvement in efficiency.  
The CO-BRO® precision and repeatability permit the use of high speed welding processes, increasing productivity by up to 50%.
- » Versatility. During pauses between one welding job and another, the CO-BRO® can be used for non-welding tasks (e.g. manipulation and/or handling).
- » Access to all welding data. Welding programs can be loaded from the welding power source or from the CO-BRO® own control panel.







# WELCOME TO THE NEW WORLD OF INTEGRATED COLLABORATIVE WELDING



## PLUG&PLAY

The CO-BRO® provides perfect synergic integration between a robot arm, a welding system and a control panel with a 12" graphic interface.

Connections, movement and welding control programs are all extremely easy and intuitive. Operations are just as rapid and secure as those of a smartphone.

- » Welding program settings
- » Real-time display of all parameters
- » Böhler Arc compatible
- » Pre-loaded procedure for the most common welding jobs
- » Fault diagnosis
- » Magnetic control panel holder



## FULL SET

CO-BRO® is a complete system where you will find all the components, hardware and software you need: control programs, control devices with start and stop buttons, torches for MIG and TIG welding, torch support, safety galvanic isolations, robot interfaces and much more. All included.

## A SAFE, CERTIFIED SYSTEM

The CO-BRO® is CE certified.

Moreover, connecting the CO-BRO® to Weld@Net network establishes an advanced welding system that qualifies for Industry 4.0.



# CO-BRO® + BÖHLER ARC UNBEATABLE TEAM

Thanks to the speed of the collaborative arm, integrating the CO-BRO® into MIG/MAG and TIG processes greatly extends the potential of your welding station and dramatically increases productivity, accuracy and reliability.

Specific documentation on MIG/MAG and TIG processes is available for consultation.



## RAPIDEEP

Short and spray-arc MIG/MAG process with a special wave shape to improve penetration, maximize productivity and achieve a welding speed up to 50 % faster than in a standard MIG/MAG process.



## QUICKPULSE

Pulsed MIG/MAG process developed with a special wave shape to improve penetration, maximize productivity and achieve a welding speed up to 50 % faster than in a standard pulsed MIG/MAG process.



## CLADPULSE

Pulsed MIG/MAG process specially for industrial cladding ensuring high-deposition rate welding arc, minimal penetration and an extremely low percentage of dilution.



## EASYARC

EasyArc is a TIG welding process, with an advanced intelligence that combines all the advantages of TIG AC and DC processes. EasyArc guarantees a highly concentrated, stable arc under all welding conditions and by setting just one parameter, you can ensure a top quality welding bead, a significant increase in productivity and a major reduction in heat input.

# JOIN! voestalpine Böhler Welding

We are a leader in the welding industry with over 100 years of experience, more than 50 subsidiaries and more than 4,000 distribution partners around the world. Our extensive product portfolio and welding expertise combined with our global presence guarantees we are close when you need us. Having a profound understanding of your needs enables us to solve your demanding challenges with Full Welding Solutions - perfectly synchronized and as unique as your company.



**Lasting Connections** – Perfect alignment of welding machines, consumables and technologies combined with our renowned application and process know-how provide the best solution for your requirements: A true and proven connection between people, products and technologies. The result is what we promise: Full Welding Solutions for Lasting Connections.



**Tailor-Made Protectivity™** – The combination of our high-quality products and application expertise enables you to not only repair and protect metal surfaces and components. Our team of engineers, experienced in your specific applications, offer you customized solutions resulting in increased productivity for your demanding challenge. The result is what we promise: Tailor-Made Protectivity™.



**In-Depth Know-How** – As a manufacturer of soldering and brazing consumables, we offer proven solutions based on 60 years of industrial experience, tested processes and methods, made in Germany. This in-depth know-how makes us the internationally preferred partner to solve your soldering and brazing challenge through innovative solutions. The result is what we promise: Innovation based on in-depth know-how.

The Management System of voestalpine Böhler Welding Group GmbH, Peter-Mueller-Strasse 14-14a, 40469 Duesseldorf, Germany has been approved by Lloyd's Register Quality Assurance to: ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007, applicable to: Development, Manufacturing and Supply of Welding and Brazing Consumables. More information: [www.voestalpine.com/welding](http://www.voestalpine.com/welding)



