



Lasting Connections

## SOLUTIONS FOR ROBOTIC WELDING



voestalpine Böhler Welding  
[www.voestalpine.com/welding](http://www.voestalpine.com/welding)

voestalpine  
ONE STEP AHEAD.



# BÖHLER WELDING

## Lasting Connections

As a pioneer in innovative welding consumables, Böhler Welding offers a unique product portfolio for 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. As a reliable partner for customers, "lasting connections" are the brand's philosophy in terms of both welding and people.

### Our clients 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

# THE IDEAL PARTNER FOR ROBOTIC WELDING

Böhler Welding designs and produces a complete range of ready-to-weld products for automatic and robotic welding. Beside these, you can benefit from our long experience in industrial welding and filler metal production. It makes us different and ensures a perfect

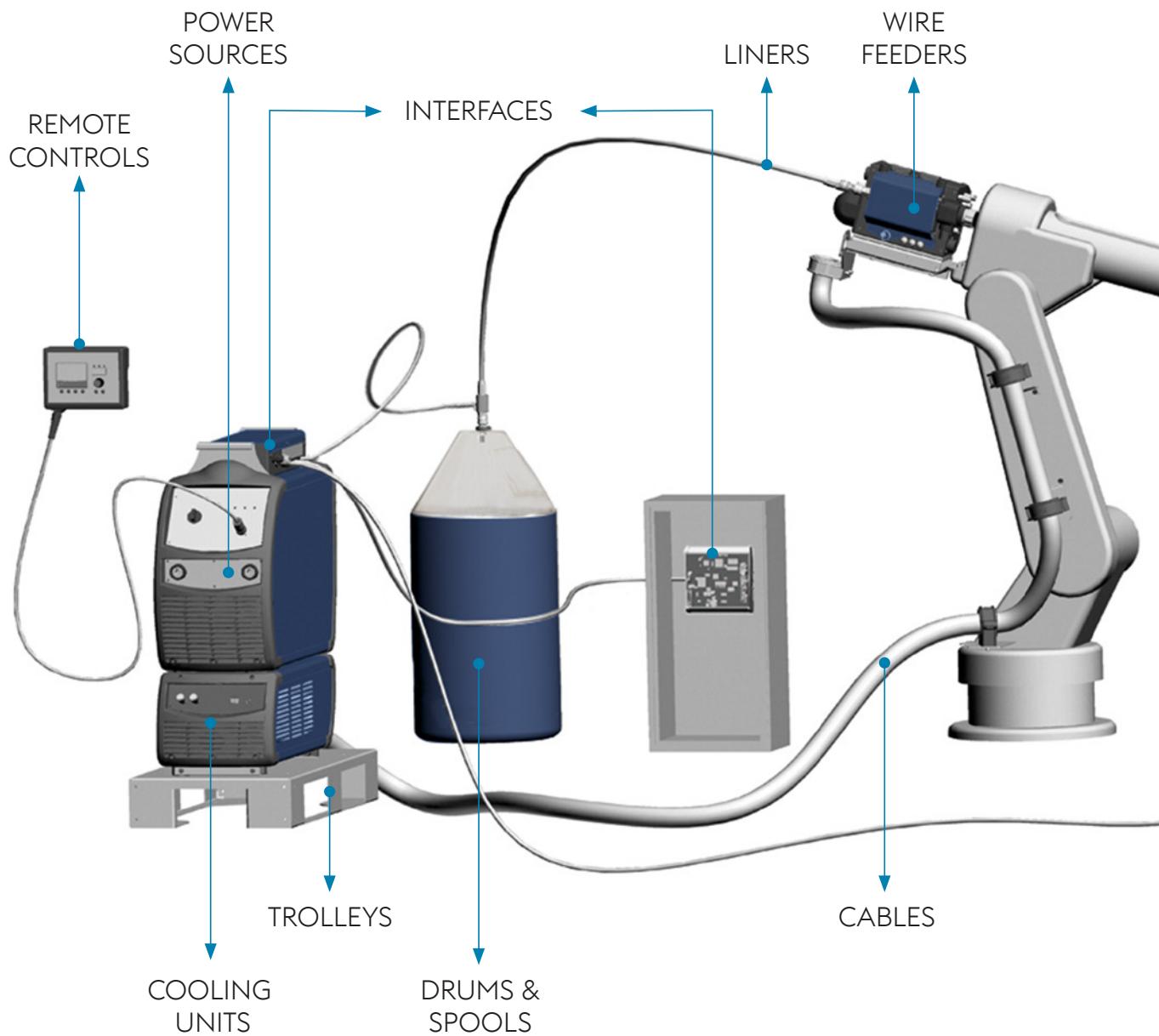
configuration set-up and technical support to satisfy the needs of advanced welding applications. We are the ideal partner for companies manufacturing automatic and robotic industrial welding lines - offering full welding solutions together.

## ADVANTAGES FOR OUR CUSTOMERS

- » Complete full welding solution: power sources, wire feeders, interfaces, torches and accessories
- » Designed for high productivity: faster welding operation and reduced reworking
- » Perfect combination of welding equipment and consumables
- » Böhler Welding MIG/TIG processes enable productivity-enhancing top weld quality
- » Compatible with the main commercial brands of robots
- » Products and technologies to reduce energy consumption, support sustainability targets and cost optimization
- » Improved employee safety by combining innovative synergic programmes with low fume welding consumables



# ALL YOU NEED AROUND YOUR WELDING ROBOT



## CHOOSE YOUR ROBOTIC READY-TO-WELD SETTING

Whatever type of automatic or robot welding set-up you are planning, we offer you all the welding components you need and the suitable software configuration to provide exactly the right functionalities.

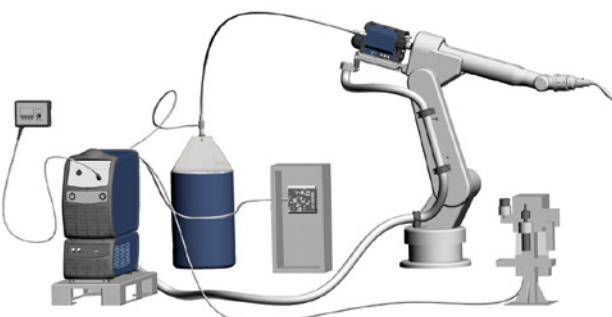
Our portfolio of ready-made configurations covers practically all brands and models of robots and a wide range of applications.



# PRODUCTS OVERVIEW

CONFIGURATIONS (e.g.)	STANDARD	MASTER / SLAVE		
POWER SOURCES	 <b>URANOS NX 3200 PME</b> MIG/MAG 320 A @ 50% 3x230 - 400 V 3 - 320 A 27.6 kg	 <b>URANOS NX 4000 PSR</b> MIG/MAG 400 A @ 60% 3x230 - 400 V 3 - 400 A 36.2 kg	 <b>URANOS NX 5000 PSR</b> MIG/MAG 500 A @ 50% 3x230 - 400 V 3 - 500 A 38.5 kg	
WIRE FEEDERS	 <b>WFR NX 1000 CLASSIC</b> 120 W 0.5 - 22 m/min 4 rolls	 <b>WFR NX 1000 PLUS</b> 120 W 0.5 - 22 m/min 4 rolls	 <b>WFR NX 1000 SYNCRO</b> 120 W 0.5 - 22 m/min 4 rolls	
INTERFACES	 <b>RI BOX 1000 / RI 1000</b>	 <b>RI BOX 2000 / RI 2000</b>	 <b>RI BOX 3000 / RI 3000</b>	
OTHERS (e.g.)	 <b>I-CAT SUPPORTS</b>	 <b>CABLES</b>	 <b>SPOOL HOLDER</b>	 <b>BRACKET KITS</b>

## HOLLOW WRIST



## TIG DC / TIG AC



**URANOS NX**  
**3200 TLH / ACDC**  
TIG DC / TIG AC  
320 A @ 40%  
3x230 - 400 V  
3 - 320 A  
26.0 kg



**URANOS NX**  
**4000 TLH / ACDC**  
TIG DC / TIG AC  
400 A @ 60%  
3x230 - 400 V  
3 - 400 A  
35.4 kg



**URANOS NX**  
**5000 TLH / ACDC**  
TIG DC / TIG AC  
500 A @ 50%  
3x230 - 400 V  
3 - 500 A  
37.3 kg

### COOLING UNITS



**WU 2000**  
1.0 kW  
3.0 l



**WU 3200**  
1.4 kW  
5.5 l

### REMOTE CONTROLS



**RC 350**  
6 - 15 m  
1.4 kg

### TORCHES

#### STANDARD



# EFFICIENCY & TECHNOLOGICAL EXCELLENCE



## READY FOR ANY SET-UP

No matter which type of welding robot you choose - we have the right hardware and software solution for all brands and models of welding robot.

## DESIGNED FOR ROBOTIC WELDING

The PSR series is specifically designed for use with MIG/MAG robotic welding stations, and allows you to benefit from the great potential of our robotic range. This equipment has proven outstanding performance and is well known for its reliability. The URANOS NX TLH and the URANOS NX AC/DC are well suited for TIG DC and AC. The Uranos line uses the innovative greenWave® inverter technology that combines extremely energy-efficient operation with optimized power consumption. This not only reduces energy consumption but strongly supports customers' drive for sustainability.



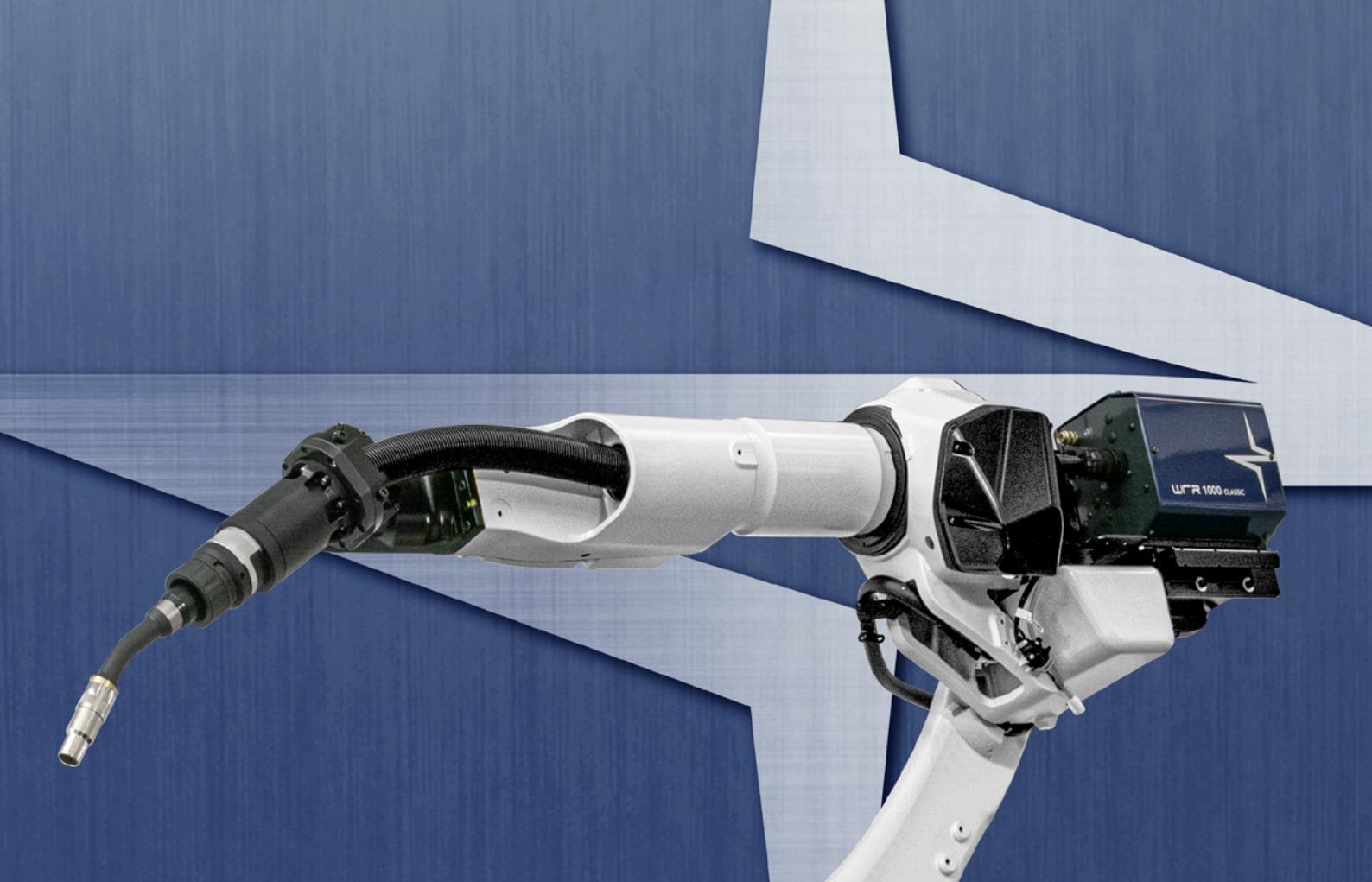
## FEEDING THE PRODUCTIVITY

WFR wire feeders are perfectly suited for robotic welding systems and are equipped with wire feed and gas test buttons. Suitable for all common configurations. Available in CLASSIC, PLUS and MASTER/SLAVE systems.

## COMMUNICATION FIRST

We provide a wide range of robot interfaces with up to 22/10 digital inputs/outputs and 4/4 analog inputs/outputs. Our interfaces are available for all common types of fieldbus (Devicenet, Profinet, Ethernet etc.) and can be supplied as stand-alone units or in a metal box.





## MORE THAN YOU EXPECTED

We offer MIG/MAG and TIG torches, cooling units, mounting brackets, trolleys, cables and fittings, mechanical kits, spool holders, torch cleaning stations.

## ALWAYS WITH YOU: BEFORE AND AFTER

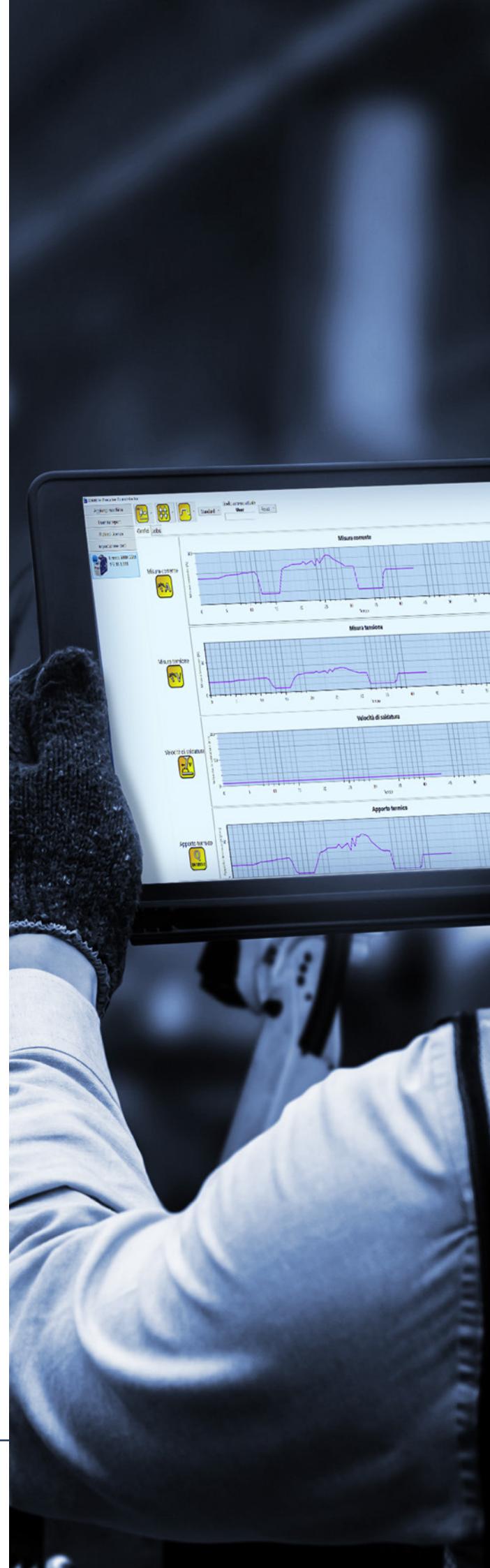
- » Our competent staff supports the design and the setup of your robot stations
- » Our extensive knowledge of welding consumables, welding processes and metallurgy is at your disposal to achieve the maximum quality and productivity possible
- » Our after-sales service is always ready to assist you quickly for any needs on-site or remotely. Periodic maintenance plans for the installed equipment are also available

## WELDING CONSUMABLES THE BEST FOR THE BEST

- » We offer a globally unique and complete product portfolio of welding consumables from own production
- » All welding consumables are optimally coordinated with our welding equipment
- » Our welding consumables are certified by well-respected institutes and approved for the most demanding welding applications

## JOIN! THE FULL WELDING SOLUTIONS

- » Improved competitiveness due to higher productivity and a guaranteed premium welding result
- » Comprehensive support from concept to installation from one source
- » Industry proven turnkey systems with perfectly coordinated components



# 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 Düsseldorf, 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)



