

Lasting Connections

TECHNOLOGIES FOR ROBOTIC WELDING





LASTING CONNECTIONS

As a pioneer in innovative welding consumables, Böhler Welding offers a globally unique range of products for joint welding. More than 2,000 products are being adapted continuously to the current industry specifications and customer requirements, certified by well-respected institutes and thus approved for the most demanding welding applications.

"Lasting Connections" is the brand philosophy, both for welding and on a human level – as a reliable partner for the customer.

THE IDEAL PARTNER FOR ROBOTIC WELDING

Böhler Welding has developed a range of all-new and highly innovative hardware and software solutions for automatic welding lines and welding robotic cells.

The long experience in industrial welding and consumables production, combined

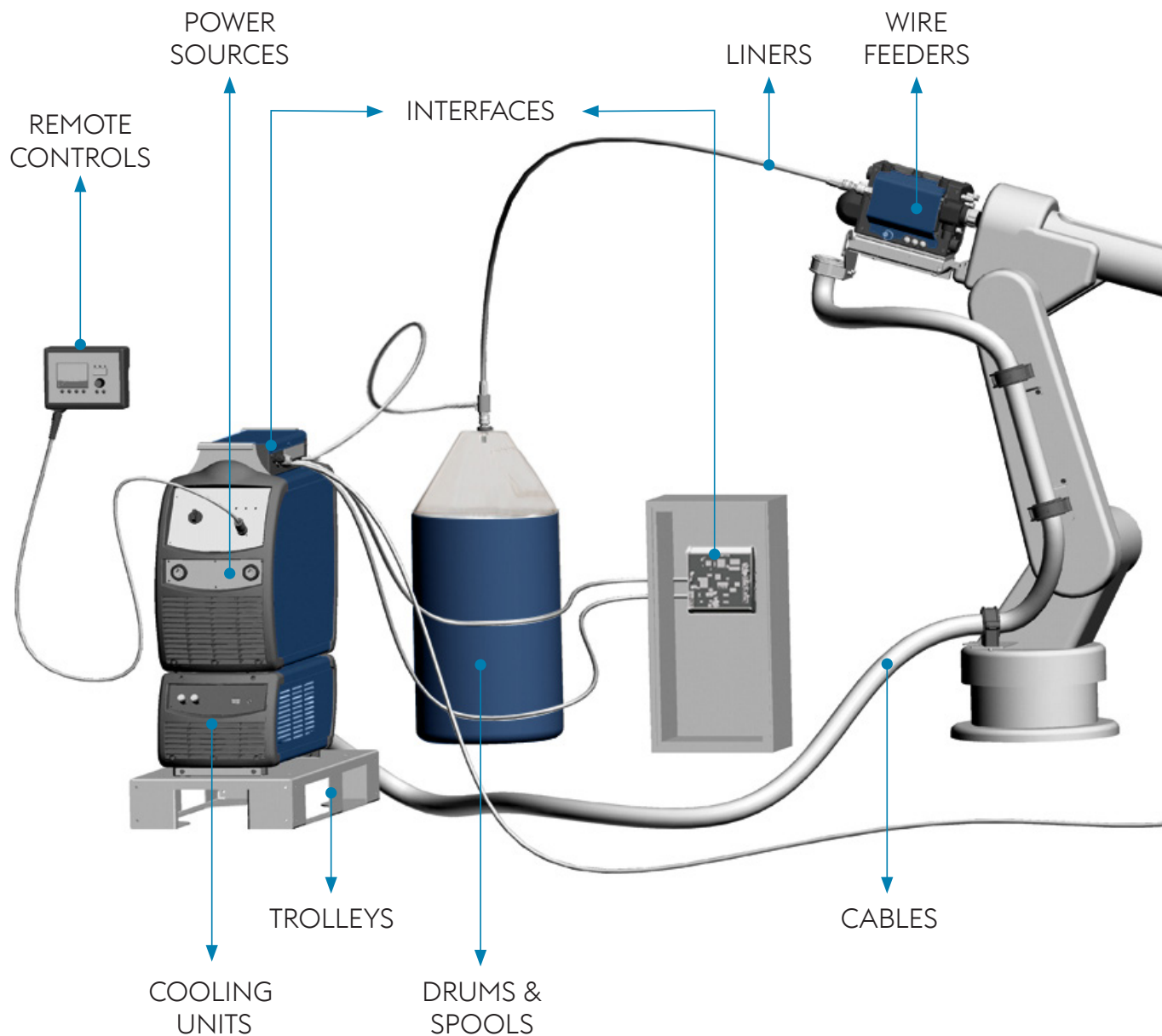
with a lasting commitment to research and development, enables to offer customers a wide range of products. Fast flexible control and configuration setup, satisfy the needs of even the most advanced applications.

ADVANTAGES FOR OUR CUSTOMERS

- » New generation of products and accessories for robotic welding
- » Complete range of power sources, wire feeders, interfaces, torches and accessories.
- » Böhler Arc: huge library of MIG/MAG and TIG welding programs
- » Perfect synergy of welding equipment and consumables to ensure the high productivity that robot lines deserve
- » Unique, new concept software platform
- » Suitable for all commercial brands of robot



ALL YOU NEED AROUND YOUR WELDING ROBOT



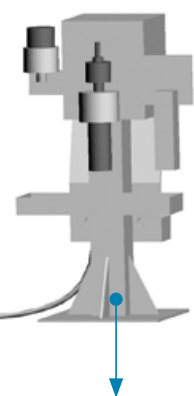
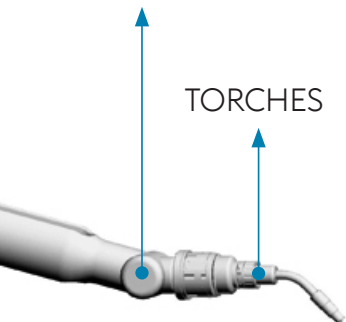
A FLEXIBLE PORTFOLIO FOR ALL APPLICATIONS

All hardware and software components have been designed and developed for maximum flexibility and efficiency in a wide range of applications.

Whatever type of automatic or robot welding line you are planning, we can supply all the hardware you need and configure the software to provide exactly the right functionalities.

SUPPORTS

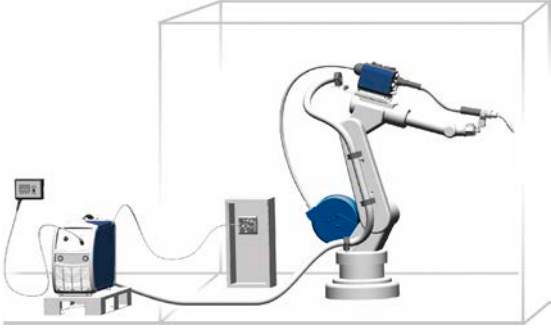
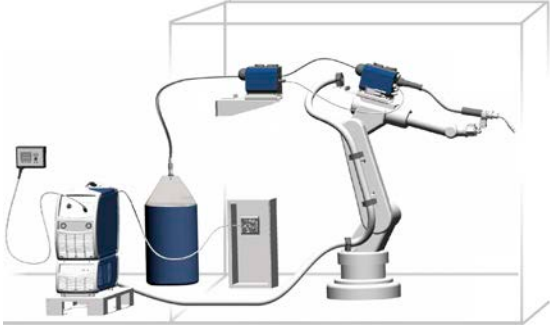
















TORCHES



EXTENSIVE RANGE
OF ACCESSORIES



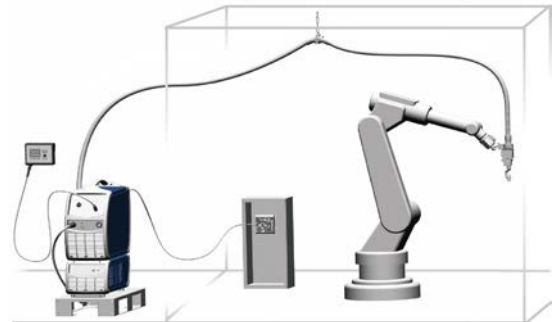
PRODUCTS OVERVIEW

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

HOLLOW WRIST



TIG DC / TIG AC



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



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



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

COLLING 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



HOLLOW WRIST



PUSH PULL



TIG



CONSUMABLES

BASEdrum



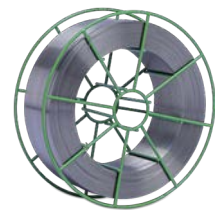
SQUAREdrum



ECOdrum



SPOOL



EFFICIENCY & TECHNOLOGICAL EXCELLENCE



READY FOR ANYTHING

No matter what is your chosen welding robot facility. We have always the right hardware and software solution for any kind/brand of robot and welding framework.

THE URANOS NX PSR MISSION

The PSR series are especially designed and developed for use in robot welding stations, and allow customers to benefit fully from the great potential of our robotic range. High performance and long reliability are its identification marks. For TIG DC and AC welding URANOS NX TLH and URANOS NX AC/DC are available. Uranos line is based on the greenWave inverter technology that combines extremely energy-efficient operation with optimized power consumption.



FEEDING THE PRODUCTIVITY

WFR wire feeders are born to work in robotic welding systems. They are provided with wire feed and air test buttons. Suitable for all common configurations. Available in the basic CLASSIC version and the PLUS version (with provision for push-push and wire brake). Also available for MASTER/S�AVE systems.

COMMUNICATION FIRST

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





MORE THAT YOU CAN IMAGINE

We offer to customers everything for a modern and efficient robot welding: MIG/MAG and TIG torches, cooling units, all kind of supports, trolleys, cables and fitting, mechanical kits, spool holder, cleaning station...the list is endless.

NO MATTER WHAT YOU ARE LOOKING FOR,
YOU WILL FIND IT.

ALWAYS WITH YOU: BEFORE AND AFTER

- » Our competent and expert staff support the design and the setting-up of your robot station tuning perfectly all the welding components
- » Our extensive knowledge of consumables, welding processes and metallurgy is at your disposal to achieve the maximum quality and productivity ever possible
- » Our after-sales service is always ready to assist quickly any needs you are asking for both directly or remotely. Periodic maintenance plans for customer are also available.



BÖHLER ARC: THE POWER OF EXPERIENCE

- » Böhler Welding offers its long experience in welding consumables production and metallurgy
- » With Böhler Arc we ensure the perfect combination between robot, equipment and consumable
- » Thanks to the best ever possible harmonization between all the hardware and software elements, the quality and the productivity is boosted to the highest level

weld@NET®: INTELLIGENT WELDING CONTROL

- » Weld@NET® turns your automatic welding line into an intelligent network capable of receiving and transmitting information about the entire welding process in real time
- » Weld@NET® lets you calculate and verify the quality and efficiency of your welding system using an advanced system and cost reporting system.
- » The Weld@NET® platform also keeps your system's welding software constantly up-to-date and ready to implement standard and special welding programs.



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

EFFICIENCY & TECHNOLOGICAL EXCELLENCE



