

Lasting Connections

INDUSTRIAL ROBOTIC WELDING SOLUTIONS

voestalpine Böhler Welding
www.voestalpine.com/welding

voestalpine
ONE STEP AHEAD.

UNSTOPPABLE PRODUCTIVITY IN INDUSTRIAL WELDING

High duty cycles and reliable process stability

Looking to boost your productivity, fully automate and digitize your welding processes? We support you to be more efficient and create consistent high-quality welds with industrial robotic solutions. Our metallurgical expertise and process know-how over the entire welding process make us a reliable partner for robotic welding.



Watch our Performance MIG/MAG and TIG



ROBOTIC PROCESS INTELLIGENCE

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 for STANDARD, MASTER-SLAVE and COLDWIRE configurations.

UNLOCK YOUR PRODUCTIVITY

- **Designed for perfect weld stability:** power sources, wire feeders, interfaces, torches, welding consumables, wire guiding systems and accessories.
- **Maximizing your productivity:** RapiDeep and QuickPulse for faster welding speeds, reduced rework and stable arc performance.
- **Perfect match between power sources and consumables:** ensuring process parameter stability, smooth arc behavior fully under control even for the most challenging applications.
- **Excellent arc stability** for MIG/MAG and TIG processes.
- **Easy parametrization:** adaptive welding power sources allow easy parametrization and perfect results even with high tolerances in weld seam preparation.
- **Engineered for seam tracking and sensing technologies.**



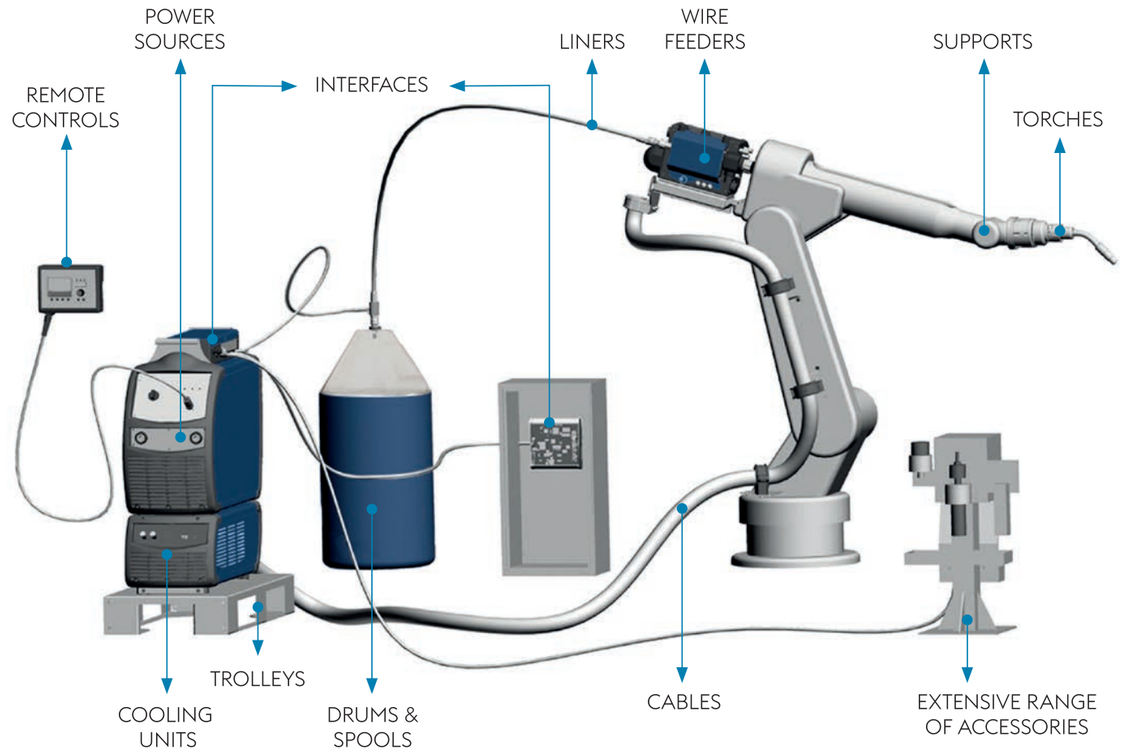


PROVEN ROBOTIC WELDING PROCESS INTELLIGENCE

We support your move to automation.

As welding professionals, you know that productivity, reliability, and consistent weld quality are essential for staying competitive. Our automation-ready welding solutions are engineered to support you at every step – from setup to daily operation. We provide a fully integrated package for automated and robotic welding.

ALL YOU NEED AROUND YOUR WELDING ROBOT

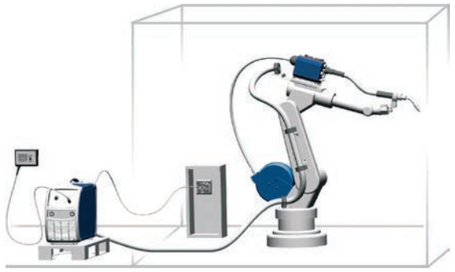


From configuration setup, teaching, a complete solution offering, and technical support, we satisfy the needs of advanced welding applications. Our trusted network of integrators and service partners supports delivering complete robotic solutions tailored to your needs.

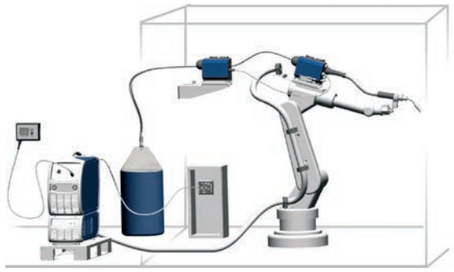
PRODUCTS OVERVIEW

CONFIGURATION (e.g.)

STANDARD



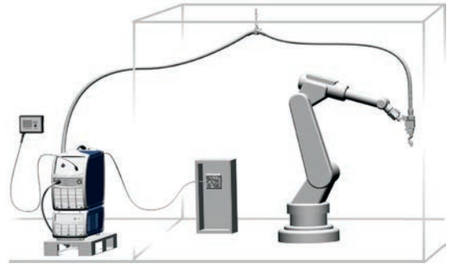
MASTER / SLAVE



HOLLOW WRIST



TIG COLD WIRE



POWER SOURCES



URANOS NX 3200 GSM

MIG/MAG
320 A @ 50%
3 x 230 - 400 V
3 - 320 A
27.6 kg



URANOS NX 4000 PSR

MIG/MAG
400 A @ 60%
3 x 230 - 400 V
3 - 400 A
36.2 kg



URANOS NX 5000 PSR

MIG/MAG
500 A @ 50%
3 x 230 - 400 V
3 - 500 A
38.5 kg



URANOS NX 3200 GSM / ACDC

TIG DC / TIG AC
320 A @ 40%
3 x 230 - 400 V
3 - 320 A
26.0 kg



URANOS NX 4000 GSM / ACDC

TIG DC / TIG AC
400 A @ 60%
3 x 230 - 400 V
3 - 400 A
35.4 kg



URANOS NX 5000 GSM / ACDC

TIG DC / TIG AC
500 A @ 50%
3 x 230 - 400 V
3 - 500 A
37.3 kg

WIRE FEEDERS



WFR NX 1000 CLASSIC 1000 PLUS

120 W
0.5 - 22 m/min
4 rolls



WFR NX 1000 SYNCRO

120 W
0.5 - 22 m/min
4 rolls



WFR NX 2000 CW

120 W
0.2 - 12 m/min
4 rolls

COOLING UNITS



WU 2000

1.0 kW
3.0 l



WU 3200

1.4 kW
5.5 l

REMOTE CONTROLS



RC 350 MP

6 - 15 m
1.4 kg

INTERFACES

BOX RI 1000 / RI 1000



BOX RI 2000 / RI 2000



BOX RI 3000 / RI 3000



TORCHES

STANDARD



HOLLOW WRIST



PUSH PULL



TIG



OTHERS (e.g.)

I-CAT SUPPORTS



CABLES



SPOOL HOLDER



BRACKET KITS



CONSUMABLES

BASEdrum



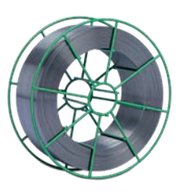
SQUAREdrum



ECOdrum



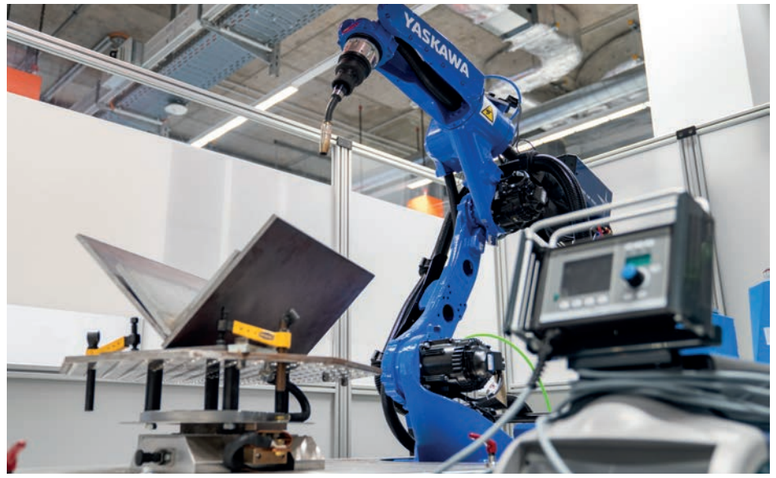
SPOOLS



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.

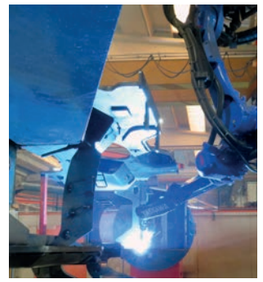
Our portfolio of ready-made configurations covers practically all brands and models of robots and a wide range of applications.





We provide a wide range of robot interfaces, optionally with analog and digital inputs/outputs, perfect for simple automation solutions or robotic retrofits. Our interfaces are also available for all common types of fieldbus (DeviceNet, PROFINET, EtherNet/IP, EtherCAT, etc.) and can be supplied as stand-alone unit or in a metal box. EtherNet/IP, EtherCAT, etc.) and can be supplied as stand-alone unit or in a metal box.







Mechanical Engineering, Components for Agricultural Industry, Structural Components

Industry proven industrial robotic solutions for increased productivity demands for all robotic brands and industries such as agricultural components, containers, boiler manufacturing, trailers and heavy industry components.

TRUSTED NETWORK OF PARTNERS

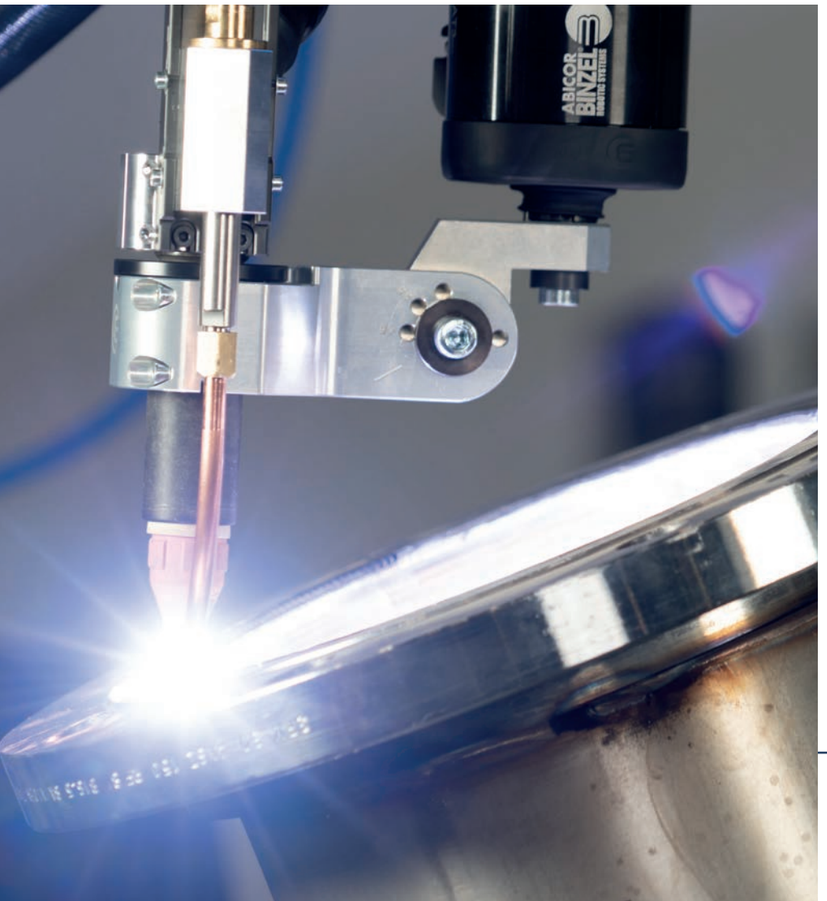
We work hand-in-hand with a trusted network of integrators and service partners to deliver complete robotic solutions tailored to your needs.

Our collaborations include leading names such as **Yaskawa, KUKA, ABB, Fanuc and many integrators,** ensuring seamless integration and expert support every step of the way

TECHNOLOGICAL EXCELLENCE. MADE FOR YOUR PERFORMANCE.

Your perfect fit for any industrial robot. No matter which type of welding robot you choose, we have the right hardware and software solution for all brands and models.

Designed for highest cycles. The URANOS NX 4000 PSR and URANOS NX 5000 PSR power sources are engineered specifically for MIG/MAG robotic welding systems, delivering maximum compatibility and consistent performance in automated production environments. This series enables you to fully leverage the capabilities of our robotic welding portfolio, offering high process stability, robust arc performance, and exceptional reliability, even under demanding industrial conditions.

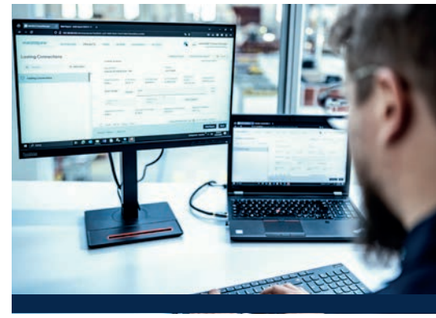


For TIG applications, the URANOS NX GSM and URANOS NX AC/DC models provide precise control and excellent results in TIG DC and AC welding, making them suitable for a wide range of materials and thicknesses. All power sources in the NX family are equipped for seam tracking as well as wire and nozzle sensing technologies, ensuring accurate joint detection and correction across all major robot brands and systems.

We provide a wide range of robot interfaces, optionally with analog and digital inputs/outputs, perfect for simple automation solutions or robotic retrofits. Our interfaces are also available for all common types of fieldbus (DeviceNet, PROFINET, EtherNet/IP, EtherCAT, etc.) and can be supplied as stand-alone unit or in a metal box. EtherNet/IP, EtherCAT, etc.) and can be supplied as stand-alone unit or in a metal box.







Working alongside engineers and production teams, our automation specialists identify opportunities to optimize welding processes, develop industry-proven turnkey solutions, and provide comprehensive implementation, training and programming support.

Reach out to us for assistance

EXPERIENCE THE PERFECT WELD SEAM

- We offer a globally unique and complete product portfolio of welding consumables from own production
- Consumables specifically designed for robotic applications meeting the demands of process stability and high-volume welding applications
- Integrate weldNet® Process Manager into your processes and enjoy digital monitoring and optimization of your welding activities.
- Cost and time savings through complete digital documentation of welding parameters.
- Cost tracking, maintenance alerts, kanban-based task management.
- Quality assurance as errors are tracked and proactive measures can be taken immediately.

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