

Lasting Connections

# NEXT WELDING EVOLUTION URANOS NX





# 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

# NEXT WELDING EVOLUTION

## TAILOR YOUR NX TO YOUR OWN APPLICATION AND EXPERIENCE THE NEXT GENERATION OF WELDING PERFORMANCE

You, the welder deserve the best solution for high demanding jobs. In order to fulfil also the most complex requirements, you need more than a welding machine. You need a partner, a friend, a weldmate. In short, you need the NX welding machines by Böhler Welding. Thanks to the intelligent power, design and features, NX welding machines are real team players that make you shine and succeed, no matter what.

“JOIN! THE TEAM AND TOGETHER WE WILL ACHIEVE WHAT COUNTS MOST:  
THE PERFECT WELD BY myNX.”



### You will benefit from

- » the full colour display with highly intuitive user interface
- » the intelligent power system ensures the most precise welding arc
- » tailor your NX with myNX according to your specific welding task





# YOU WELD. WE OPTIMIZE.

Benefit from the broad range of welding programs,  
perfectly aligned with Böhler Welding consumables  
and the most performing welding arc.



## BÖHLER ARC

As a Full Welding Solution Provider, Böhler Welding combines welding processes, consumables and equipment in a harmonious, perfectly coordinated way.

Whenever the Böhler Arc is ignited, welders benefit from a perfect arc with guaranteed reproducibility and precision, while saving time and material.


### Features

- » Perfect combination of Filler Material, Welding Process, Welding Equipment
- » All the parameters are made and tested to perform best welding results
- » Customization and upgrade is possible

### Choose your Böhler Arc

- » Carbon Steel Welding Programs
- » Stainless Steel Welding Programs
- » Aluminium & Copper Welding Programs
- » Cladding Welding Programs
- » Crane & Lifting Welding Programs





“URANOS NX UNITES  
THE COMPETENCE AND  
THE EXPERIENCE OF 40 YEARS  
IN WELDING EQUIPMENT  
DEVELOPMENT.”

## WELDING PROCESSES

More than 40 years of experience and continuous development in our R&D department are the basis for the evolution of MIG/MAG and TIG welding processes – all features now united in the Uranos NX ensuring a highly reactive arc even in difficult welding positions and less spatters.

All the Böhler Welding special welding processes are designed to maximize productivity and speed thanks to the specific wave form and precise arc control.

## FULL WELDING SOLUTIONS

Plug & play solutions for Metal Fabrication, Pipeline Welding and Crane & Lifting will convince you.

Benefit from the perfect alignment of welding machines, consumables, accessories and welding know-how by Böhler Welding.

## WELDING PROGRAMS & PACKAGES

More than 600 welding programs tailored for various applications and industry segments, e.g. Carbon steel, Inox, Cladding, Hardfacing and Crane & Lifting packages ensure the perfect fit with your welding task. A unique and large portfolio of welding field experiences that Böhler Welding makes available for you.



» **High Capacity**

Allows you to store 600 welding programs allocated in 12 welding processes. In addition 240 personalized parameters (welding jobs) makes it easy to define your NX.

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» **Enhanced Connectivity**

All the NX systems are inter-connectable with WeldNet, the Böhler Welding welding network, to set and monitor all the welding data and to produce technical and economic reporting.

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» **Digital Control & Can-Bus Communication**

The advanced digital control system provide faster response and higher welding accuracy.

“URANOS NX PROVIDES  
MORE PERFORMANCE  
WHILE SAVING ENERGY.”



# YOU SET. WE CONNECT.

We provide more than 600 welding programs allocated in 12 Böhler Welding processes. greenWave® inverter patented technology for a saving-energy welding and real time data management.

## greenWave®

Uranos NX inverter is based on greenWave®, patented technology complying to EN61000-3-12 standard, enabling an extremely energy efficient operation with optimized power consumption.

1. Complete protection against unstable mains supplies
2. Self-adaptation to input voltage (auto link)
3. Better overall reliability
4. Reduced system costs
5. Reduction of the installed power requirement
6. Conformity to the strictest standards
7. Reduction of between 70 % and 100 % in reactive energy consumption
8. Over 50% reduction in joule effect losses
9. greenWave® helps reduce CO<sub>2</sub> emissions





# YOU PERSONALIZE. WE PROVIDE.

Test and find the best. Tailor your NX and test all available welding programs for free.



## MY URANOS NX

With NX you enter into an era of personalized welding. You can assemble your welding solution with everything you need and optimise your NX to give the best efficiency and performance for the job at hand and always in line with the most modern technologies.

We offer a complete package of hardware (power source, accessories, consumables) and software (processes, programs, functions).

Special programs can be uploaded onto your machine for time-limited in house trials.







“THANKS TO THE TESTING POSSIBILITY OF ALL WELDING PROGRAMS FREE OF CHARGE, I HAVE A GOOD FEELING THAT I MADE THE RIGHT DECISION.”

#### **Choose your inverter technology**

- » greenWave®

#### **Choose your welding process**

- » ARCDRIVE (Mig/Mag)
- » PULSDRIVE (Pulsed Mig/Mag)
- » DCDRIVE (Tig DC)
- » ACDRIVE (Tig AC/DC)

#### **Choose your power**

- » 170 A      » 270 A      » 400 A
- » 220 A      » 320A      » 500 A

#### **Choose your Böhler Arc**

- » Carbon Steel Welding Programs
- » Stainless Steel Welding Programs
- » Aluminium & Copper Welding Programs
- » Cladding Welding Programs
- » Crane&Lifting Welding Programs

#### **Equip your NX**

- » Welding Torch
- » Wire feeder
- » Cooling unit
- » Remote Controls
- » Accessories

#### **Rely on our services**

- » Up to 5 year Warranty
- » Welding programs trial upload
- » Welding validation program
- » EN1090 program
- » WeldNet platform

# URANOS NX LINE

MIG/MAG PULSE	TIG DC	TIG AC	MULTIPROCESS
URANOS NX 3200 PME	URANOS NX 2700 TLH	URANOS NX 1700 AC/DC	URANOS NX 3200 GSM
URANOS NX 4000 PME	URANOS NX 3200 TLH	URANOS NX 2200 AC/DC	URANOS NX 4000 GSM
URANOS NX 5000 PME	URANOS NX 4000 TLH	URANOS NX 2700 AC/DC	URANOS NX 5000 GSM
	URANOS NX 5000 TLH	URANOS NX 3200 AC/DC	
		URANOS NX 4000 AC/DC	
		URANOS NX 5000 AC/DC	



# 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)



