



Lasting Connections

INVERTERS FOR ARC WELDING

TERRA URANOS



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

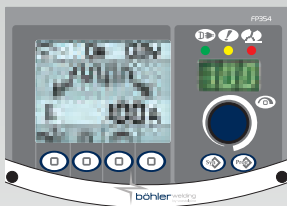
- » the highest expertise in joining, rendering the best application support globally available
- » specialized and best in class product solutions for their local and global challenges
- » an absolute focus on customer needs and their success
- » a worldwide presence through factories, offices and distributors



URANOS

WELDING INNOVATION
Efficiency & Technological Excellence

IPANEL



URANOS power sources are equipped with iPanel control panels incorporating graphic displays and an intuitive user interface that are unique in their field.

ROBOT READY



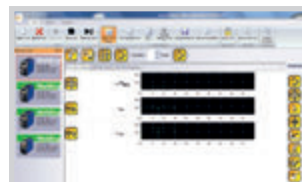
URANOS can be used in automatic and/or robotised welding systems by installing the dedicating operating software. Automatic welding power sources are complete with all the hardware and software components needed for use in any application.



GREEN WELDING

URANOS are equipped with green@wave® patented technology for extremely high efficiency in mains current absorption (PF~=1), according to European Standard EN61000-3-12

WELD@NET SYSTEM



Exclusive Weld@net® Production Control Monitor software lets you control a number of power sources simultaneously from your PC, as well as display and adjust all their welding parameters. Weld@net® PCM also lets you calculate and verify the quality and productivity of automatic and manual welding systems using an advanced production and cost reporting system.

ONE TECHNOLOGY TWO PRODUCT LINES

The key component in power sources is Multiline Three Level inverter. This modern and technically advanced inverter delivers unbeatable performance and reliability over time.

It also gives significant advantages in terms of arc control speed, complete function management, adaptability to different processes and applications, accuracy and repeatability.

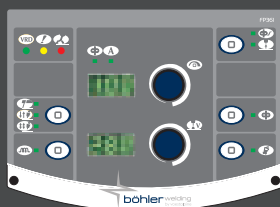
Inverter power sources are available in the TERRA and URANOS series, both offering the characteristics and performance needed to satisfy all industrial welding needs.



TERRA

ESSENTIAL WELDING

Robust and Easy to Use



Vast experience and innovative technology make TERRA power sources robust, user friendly and technically advanced, with all the essential functions for efficient and continuous operation.

We have selected carefully the most suitable designs and solutions for the work environment and uses only the toughest, self-extinguishing materials. Power sources therefore stand out for their light weight, advanced ergonomics and lasting resistance to corrosion.



SHORT SPRAY MIG/MAG ARC WELDING

Designed for amazing welding performance

We have developed a particularly efficient Short Spray MIG/MAG welding process. This new process gives extremely accurate welding results, uniform metallurgical characteristics and a visibly cleaner finish. Innovative in every way, the process even gives unique feedback in the form of a characteristic

welding sound. The digital control of all welding parameters delivers advanced arc dynamics. We have also developed numerous functions for this new process, covering a wide range of specific welding applications.



PULSED MIG/MAG

A perfect weld thanks to "Digital Drop"

"Digital Drop" is the result of a long and complex research programme, designed to develop a digital welding process based on the "one pulse / one drop" principle. Digital Drop technology represents a whole new approach to welding and guarantees

consistent and repeatable performance in MIG/MAG applications. Power sources offer a large number of practical welding functions for this new process too, all selectable from the user menu.



MULTIFUNCTION

Welding for all situations

We offer a choice of power sources capable of welding in all arc processes: MIG/MAG, TIG DC HF and electrode (MMA). Vast experience in this field has since led to the development of a complete range of high-tech, multifunctional power sources. Multifunctional power sources are highly practical solutions

whenever welders have to use a number of different processes and therefore demand flexibility as well as high performance. They are also ideal for use by maintenance companies and in all schools and colleges that offer training courses in welding.



TIG DC HF

The precision of a job well done

Böhler Welding has extensive expertise in TIG welding and in the welding of noble metals like stainless steel. Thanks to this know-how, has been able to develop an extremely clean TIG welding process capable of handling all sorts of application. The knowledge and creativity of designers and

engineers have resulted in a wide range of useful functions for TIG welding too, giving users a step ahead.



TIG AC/DC

Simply the best

The level of excellence achieved by in AC/DC welding is recognised and respected in all arc welding industry. TIG AC/DC welding sources are the result of extensive experience, a passion for new ideas, and commitment to continuous innovation in technology and metallurgy.

We offer a wide range of AC/DC power sources, all with an impressive range of on-board welding functions.



ELECTRODE WELDING

Lightweight and versatile

We have brought innovation and advanced technology to traditional electrode welding processes too, enabling users to achieve first-rate results with standard and special electrodes thanks to intelligent functions like Hot Start and Arc Force.



TERRA

ESSENTIAL WELDING

TERRA 320 SMC

320 A @ 45%
3x400 V
3 - 320 A
33,0 Kg



TERRA 320 MSE

320 A @ 50%
3x400 V
3 - 320 A
20,2 Kg



TERRA 400 MSE

400 A @ 50%
3x400 V
3 - 400 A
22,5 Kg



TERRA 500 MSE

500 A @ 50%
3x400 V
3 - 500 A
27,3 Kg



TERRA 180 TLH

170 A @ 45%
1x230 V
3 - 170 A
8,4 Kg



TERRA 270 TLH

270 A @ 60%
3x400 V
3 - 270 A
16,1 Kg



TERRA 320 TLH

320 A @ 60%
3x400 V
3 - 320 A
20,5 Kg



TERRA 150

150 A @ 35%
1x230 V
5 - 150 A
4,1 Kg



TERRA 180

170 A @ 35%
1x230 V
3 - 170 A
8,0 Kg



TERRA 220 RC

220 A @ 30%
3x400 V
3 - 220 A
11,3 Kg



TERRA 270 RC

270 A @ 40%
3x400 V
3 - 270 A
16,1 Kg



TERRA 350 RC

350 A @ 40%
3x400 V
3 - 350 A
16,5 Kg



MIG/MAG



URANOS 2000 SMC

200 A @ 35%
1x230 V
5 - 200 A
12,8 Kg

URANOS 2700 SMC

270 A @ 45%
3x230 - 400 V
3 - 270 A
23,0 Kg



PULSED MIG/MAG



URANOS 2700 PMC

270 A @ 45%
3x230 - 400 V
3 - 270 A
23,0 Kg

URANOS 3200 PME

320 A @ 50%
3x230 - 400 V
3 - 320 A
27,6 Kg



URANOS 4000 PME

400 A @ 60%
3x230 - 400 V
3 - 400 A
36,2 Kg



MULTIFUNCTION



URANOS 2700 MTE

270 A @ 45%
3x230 - 400 V
3 - 270 A
23,5 Kg

URANOS 3200 GSM

320 A @ 50%
3x230 - 400 V
3 - 320 A
27,6 Kg



URANOS 4000 GSM

400 A @ 60%
3x230 - 400 V
3 - 400 A
37,5 Kg



TIG DC HF



URANOS 2200 TLH

220 A @ 35%
1x115-230 V
3 - 220 A
16,0 Kg

TIG AC/DC



URANOS 1700 AC/DC

170 A @ 35%
1x115 - 230 V
3 - 170 A
18,8 Kg



URANOS 2200 AC/DC

220 A @ 35%
1x115 - 230 V
3 - 220 A
18,8 Kg



URANOS 2700 AC/DC

270 A @ 40%
3x230 - 400V
3 - 270 A
27,0 Kg



URANOS 3200 AC/DC

320 A @ 40%
3x230 - 400 V
3 - 320 A
27,5 Kg

MMA



URANOS 1500 /1500 RC

150 A @ 30%
1x230 V
5 - 150 A
2,6 Kg



URANOS 5000 PME

500 A @ 50%
3x230 - 400 V
3 - 500 A
38,5 Kg



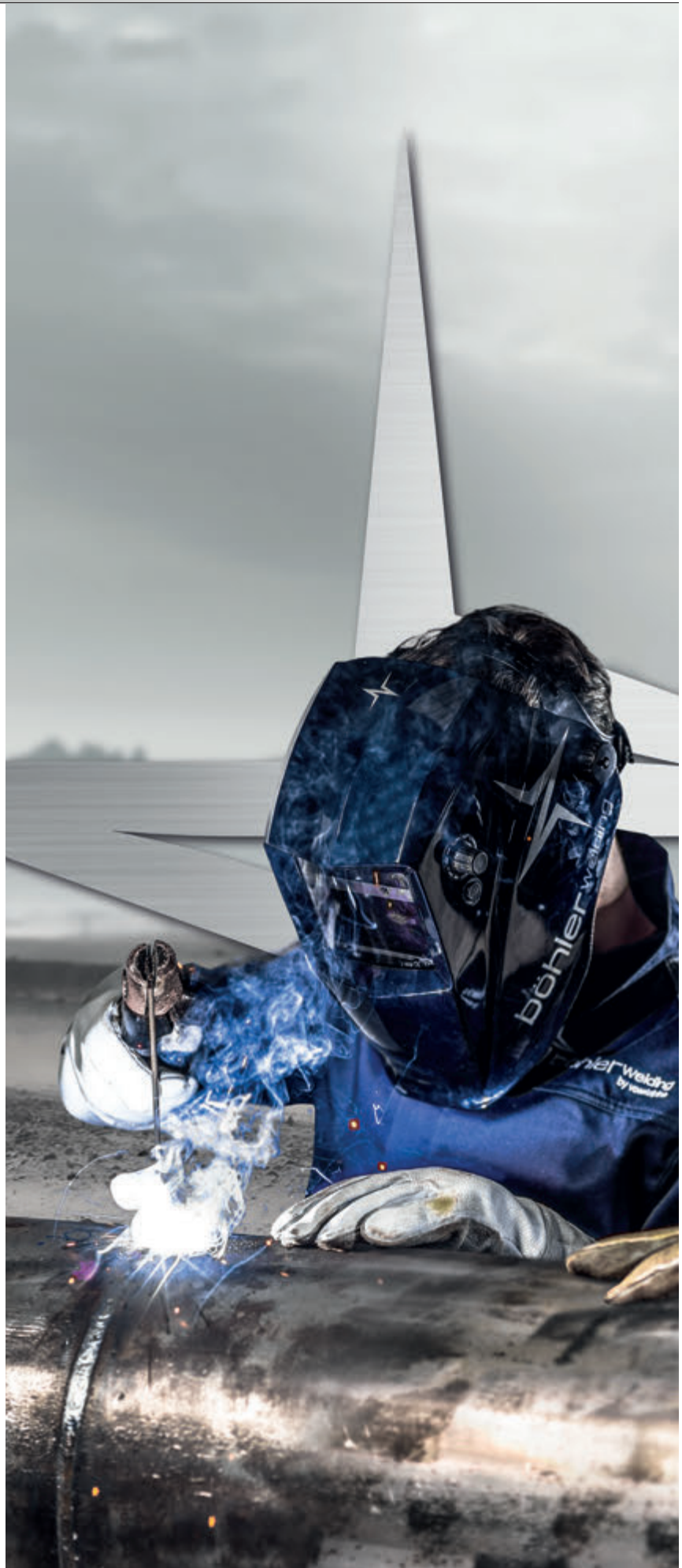
URANOS 5000 GSM

500 A @ 50%
3x230 - 400 V
3 - 500 A
39,5 Kg



URANOS 4000 AC/DC

400 A @ 40%
3x230 - 400 V
3 - 400 A
35,4 Kg



Lasting Connections

INVERTERS FOR ARC WELDING

TERRA & URANOS





LASTING CONNECTIONS

As a pioneer in innovative welding consumables, Böhrer 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.

TERRA & URANOS – THE NEW REFERENCE IN WELDING MACHINES.

You've taken on the challenge of joining materials made of metal. You know how to weld structures for bridges, machines and power stations. In your job you don't need "one" solution, you deserve the best.

As a provider of welding solutions, we offer a unique portfolio of high-quality welding consumables, application services, accessories and welding equipment. With the Terra & Uranos ranges, we are setting new standards in all

standard and special welding processes. The combination of welding filler metal and power source, which is unique in the industry and based on our application know-how, takes precision to a new dimension.

This allows you to obtain TOP CLASS welded joints that you will be proud of. This is what we stand for - with up to 5 years warranty on all Terra & Uranos welding equipment.

Advantages for our customers:

- » Böhler Welding combines metallurgical know-how, technical competence and a complete product range like no other supplier on the market.
- » Welding consumable and welding machine meet in a perfect synergy for all customers of Böhler Welding.
- » Optimised performance curves lead to first-class welding results.
- » Böhler welding machines made in Europe guarantee the highest quality of products and services.
- » We stand by our quality promise and provide up to 5 years warranty.
- » Our customers can always rely on a trusting partnership and lasting relationships.

ONE INVERTER TECHNOLOGY TWO PRODUCT RANGES

The key component of our welding power sources is the patented Multiline Three Level® Inverter.

This modern and technically advanced inverter offers unbeatable long run performance and reliability. Customers particularly appreciate those advantages when it comes to arc control, adaptability to different processes and applications, accuracy and repeatability.



MIG/MAG STANDARD

Designed for amazing welding performance

- » Particularly efficient MIG/MAG standard process for extremely precise welds
- » Enables very homogeneous and clean metallurgical properties
- » Very stable and perfectly controllable electric arc
- » High welding speed and melting capacity



TERRA 320 SMC

320 A @ 45%
3x400 V
3 – 320 A
33,0 kg



TERRA 320 MSE

320 A @ 50%
3x400 V
3 – 320 A
20,2 kg

MIG/MAG PULSE

Perfect welding results thanks to “Digital Drop”

- » Enables optimum MIG/MAG pulse welding with consistent and reproducible performance thanks to new welding technology
- » Extremely stable and concentrated arc
- » Simple parameter control for efficient work



MULTIPROCESS

Up to any welding task

- » Ideal for MMA, MIG/MAG pulse and TIG DC welding process
- » Designed to handle a wide range of welding tasks
- » Developed to meet the highest demands with regard to flexibility and performance
- » Perfect for repair and maintenance as well as training facilities



TIG DC

The precision arc

- » Highly concentrated and stable electric arc
- » Aesthetically perfect welding seams
- » Optimum welding conditions in all working situations



TERRA 180 TLH

170 A @ 45%
1x230 V
3 – 170 A
8,4 kg

TIG AC/DC

Best in class

- » Guaranteed concentrated and stable arc
- » Reduced heat input
- » High-quality weld seam and considerable increase in productivity with only one set value



MMA

Light and flexible

- » Very compact and powerful inverter
- » Suitable for cellulose
- » Intuitive operation
- » Generator safe



TERRA 150

150 A @ 35%
1x230 V
5 – 150 A
4,1 kg



TERRA 180

170 A @ 35%
1x230 V
3 – 170 A
8,0 kg

FOR STANDARD WELDING TASKS

Robust and user-friendly

URANOS



TERRA 400 MSE

400 A @ 50%
3x400 V
3 - 400 A
22,5 kg



TERRA 500 MSE

500 A @ 50%
3x400 V
3 - 500 A
27,3 kg



MIG/MAG

URANOS 2000 SMC

200 A @ 35%
1x230 V
5 - 200 A
12,8 kg

MIG/MAG PULSE



URANOS 2700 PMC

270 A @ 45%
3x230 - 400 V
3 - 270 A
23,0 kg

MULTIPROCESS



URANOS 2700 MTE

270 A @ 45%
3x230 - 400 V
3 - 270 A
23,5 kg



TERRA 270 TLH

270 A @ 60%
3x400 V
3 - 270 A
16,1 kg



TERRA 320 TLH

320 A @ 60%
3x400 V
3 - 320 A
20,5 kg

TIG DC



URANOS 1500 TLH

150 A @ 30%
1x230 V
3 - 150 A
13,9 kg

TIG AC/DC



URANOS 1700 AC/DC / 220

170 / 220 A @ 35%
1x115 - 230 V
3 - 170 / 220 A
18,8 kg



TERRA 220 RC

220 A @ 30%
3x400 V
3 - 220 A
11,3 kg



TERRA 270 RC / 350 RC

270 A / 350 A @ 40%
3x400 V
3-270 A / 3-350 A
16,1 kg / 16,5 kg



TERRA 500 RC

500 A @ 50%
3x400 V
3 - 500 A
27,3 kg

MMA



URANOS 1500 / 1500 RC

150 A @ 30%
1x230 V
5 - 150 A
2,6 kg

FOR THE HIGHEST DEMANDS

Efficiency & technological excellence

URANOS 2700 SMC



270 A @ 45%
3x230 - 400 V
3 - 270 A
23,0 kg

URANOS **X**3200 PME



320 A @ 50%
3x230 - 400 V
3 - 320 A
27,6 kg

URANOS **X**4000 PME



400 A @ 60%
3x230 - 400 V
3 - 400 A
36,2 kg

URANOS **X**5000 PME



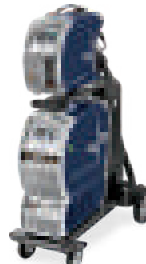
500 A @ 50%
3x230 - 400 V
3 - 500 A
38,5 kg

URANOS **X**3200 GSM



320 A @ 50%
3x230 - 400 V
3 - 320 A
27,6 kg

URANOS **X**4000 GSM



400 A @ 60%
3x230 - 400 V
3 - 400 A
37,5 kg

URANOS **X**5000 GSM



500 A @ 50%
3x230 - 400 V
3 - 500 A
39,5 kg

URANOS 1800 TLH / 2200 TLH



180 / 220 A @ 35%
1x115-230 V
3 - 180 / 220 A
9,4 / 16,0 kg

URANOS **X**2700 TLH / 3200 TLH



270 A @ 35% / 320 A @ 40%
3x230 - 400V
3 - 270 / 320 A
18,8 / 26,0 Kg

URANOS **X**4000 TLH / 5000 TLH



400 A @ 60% / 500 A @ 50%
3x230 - 400 V
3 - 400 / 500 A
35,4 / 37,3 Kg

0 AC/DC

URANOS **X**2700 AC/DC



270 A @ 40%
3x230 - 400V
3 - 270 A
27,0 kg

URANOS **X**3200 AC/DC



320 A @ 40%
3x230 - 400 V
3 - 320 A
27,5 kg

URANOS **X**4000 AC/DC



400 A @ 40%
3x230 - 400 V
3 - 400 A
35,4 kg

URANOS **X**5000 AC/DC



500 A @ 45%
3x230 - 400 V
3 - 500 A
37,3 Kg

URANOS 1500 DP



150 A @ 30%
1x230 V
5 - 150 A
2,6 kg

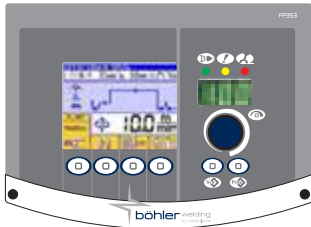
URANOS 1800 RC



170 A @ 35%
1x115-230 V
3 - 170 A
9,0 kg

URANOS – FOR THE HIGHEST DEMANDS

Efficiency & technological excellence



IPANEL

URANOS devices are equipped with the new iPanel as standard. The large (3.5") and clear graphic display offers a unique, user-friendly working interface.



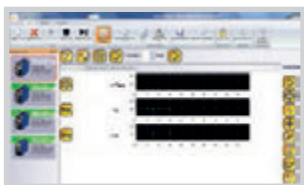
ROBOT READY

URANOS welding machines are pre-equipped for automated and robotic applications and are therefore predestined for efficient high-performance welding. URANOS devices are equipped with all hardware and software components necessary for this.



EFFICIENT WELDING

Saving energy - increasing efficiency
URANOS machines are equipped with the patented greenWave® technology. This technology complies with the EN61000-3-12 standard and enables extremely energy-efficient operation with optimised power consumption.



WELD@NET® SYSTEM

Thanks to the exclusive Weld@net® Production Control Monitor software, you can conveniently control several devices simultaneously via your PC and also display and set all welding parameters. With Weld@net® PCM, you can also calculate the quality and productivity of automatic or manual welding systems through sophisticated system and controlling reporting.

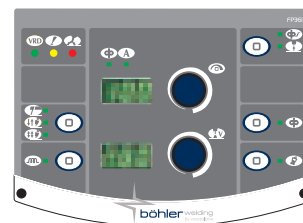


TERRA – FOR STANDARD WELDING TASKS

Robust and user-friendly

TERRA welding machines from Böhler Welding are available for MMA welding, TIG DC and MIG/MAG processes. The compact and robust design of the machines allows them to be used in a wide variety of working environments, even in confined spaces.

TERRA welding machines from Böhler Welding thrive under heavy use and guarantee durable connections.



What TERRA welding machines are all about:

- » Simple operation for the welder
- » Low weight
- » Ideal for steel and stainless steel
- » Flexibly deployable
- » Suitable for use on construction sites and fabrication shops



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



