Lasting Connections

INVERTERS FOR ARC WELDING

TERRA & URANOS
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.

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.
TERRA FOR STANDARD WELDING TASKS

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

MMA
- High-quality weld seam and considerable increase in efficiency
- Guaranteed concentrated and stable arc
- Best in class

TIG AC/DC
- Optimum welding conditions in all working situations
- Aesthetically perfect welding seams
- Highly concentrated and stable electric arc

MULTIPROCESS
- Simple parameter control for efficient work
- Extremely stable and concentrated arc
- Enables optimum MIG/MAG pulse welding with ‘Digital Drop’

URANOS FOR THE HIGHEST DEMANDS

- Efficiency & technological excellence
- High-end performance for the highest demands

MIG/MAG PULSE
- High welding speed and melting capacity
- Very stable and perfectly controllable electric arc
- Enables very homogeneous and clean metallurgical properties

MIG/MAG STANDARD
- Particularly efficient MIG/MAG standard process for extremely precise welds
- Extremely stable and perfectly controllable electric arc
- High welding speed and melting capacity
- Simple parameter control for efficient work

MULTIPROCESS
- Ideal for MMA, MIG/MAG pulse and TIG/DCE welding processes
- Designed to handle a wide range of welding tasks
- Developed to meet the highest demands with regard to performance and maintenance

TIG DC
- The precision arc
- High-quality concentrated and stable electric arc
- Aesthetically perfect welding seams
- Optimum welding conditions in all welding situations

TIG AC/DC
- Ideal for MMA, MIG/MAG pulse and TIG/DCE welding processes
- Designed to handle a wide range of welding tasks
- Developed to meet the highest demands with regard to performance and maintenance
- Optimal for repair and maintenance as well as training purposes

MIG/MAG INVERTERS

| Model | MMA A | MMA V | MIG/MAG Standard A | MIG/MAG Standard V | Multiprocess A | Multiprocess V | TIG DC A | TIG AC/DC A | TIG AC/DC V | Multiprocess A | Multiprocess V | TIG DC A | TIG AC/DC A | TIG AC/DC V |
|-------|-------|-------|---------------------|---------------------|----------------|----------------|--------|------------|------------|----------------|----------------|--------|------------|------------|------------|
| TERRA 150 | 150 A @ 30% | 1 x 230 V | 4.5 kg | 1.15 | 18.5 kg | 150 A | 30% | 1 x 230 V | 8.0 kg | 1.15 | 18.5 kg | 150 A | 30% | 1 x 230 V | 8.0 kg |
| TERRA 180 | 170 A @ 35% | 1 x 230 V | 6.0 kg | 1.20 | 18.0 kg | 170 A | 35% | 1 x 230 V | 11.5 kg | 1.20 | 18.0 kg | 170 A | 35% | 1 x 230 V | 11.5 kg |
| TERRA 220 DC | 220 A @ 30% | 1 x 230 V | 8.0 kg | 1.70 | 15.0 kg | 220 A | 30% | 1 x 230 V | 11.5 kg | 1.70 | 15.0 kg | 220 A | 30% | 1 x 230 V | 11.5 kg |
| TERRA 270 DC | 270 A @ 50% | 1 x 230 V | 11.5 kg | 2.10 | 27.0 kg | 270 A | 50% | 1 x 230 V | 16.5 kg | 2.10 | 27.0 kg | 270 A | 50% | 1 x 230 V | 16.5 kg |
| TERRA 350 BC | 350 A @ 40% | 1 x 230 V | 16.5 kg | 2.70 | 35.0 kg | 350 A | 40% | 1 x 230 V | 16.5 kg | 2.70 | 35.0 kg | 350 A | 40% | 1 x 230 V | 16.5 kg |
| URANOS 1700 AC/DC | 170 A @ 35% | 1 x 115/230 V | 15.0 kg | 1.75 | 15.0 kg | 170 A @ 35% | 1 x 115/230 V | 15.0 kg | 1.75 | 15.0 kg |
| URANOS 2200 AC/DC | 220 A @ 30% | 1 x 115/230 V | 18.5 kg | 2.20 | 22.5 kg | 220 A @ 30% | 1 x 115/230 V | 18.5 kg | 2.20 | 22.5 kg |
| URANOS 3500 AC/DC | 350 A @ 40% | 1 x 115/230 V | 30.0 kg | 3.50 | 35.0 kg | 350 A @ 40% | 1 x 115/230 V | 30.0 kg | 3.50 | 35.0 kg |
| URANOS 5000 AC/DC | 500 A @ 30% | 1 x 115/230 V | 50.0 kg | 4.00 | 50.0 kg | 500 A @ 30% | 1 x 115/230 V | 50.0 kg | 4.00 | 50.0 kg |
JOIN! voestalpine Böhler Welding

With over 100 years of experience, voestalpine Böhler Welding is the global top address for the daily challenges in the areas of joint welding, repair, hardfacing and cladding as well as brazing. Customer proximity is guaranteed by more than 45 subsidiaries in 25 countries, with the support of 2,300 employees, and through more than 2,000 distribution partners worldwide. With individual consultation by our application technicians and welding engineers, we make sure that our customers master the most demanding welding challenges. voestalpine Böhler Welding offers three specialized and dedicated brands to cater our customers’ and partners’ requirements.

**URANOS – FOR THE HIGHEST DEMANDS**

Efficiency & technological excellence

**IPANEL**

URANOS devices are equipped with the new iPanel as standard. The large 3.5” or 4.7” 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 predicated 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 green@wave® technology. This technology complies with the EN61000-3-12 standard and enables extremely energy-efficient operation with optimized power consumption, saving up to 35% energy compared to conventional welding equipment.

**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.

**URANOS – FOR THE HIGHEST DEMANDS**

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 certified 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
- Readily deployable
- Suitable for use on construction sites and fabrication shops

**JOIN! voestalpine Böhler Welding**

Lost Connections - As a pioneer in innovative welding consumables, Böhler Welding offers a unique product portfolio for joint welding worldwide. More than 2,000 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.

Tailor-Made Protectivity® - UTP Maintenance ensures an optimum combination of protection and productivity with innovative and tailor-made solutions. Everything revolves around the customer and their individual requirements. That is expressed in the central performance promise: Tailor-Made Protectivity®.

In-Depth Know-How - Fontargen Brazing has made Fontargen Brazing an internationally preferred partner for every soldering and brazing task.
