



Lasting Connections






## PRODUCT FEATURES & CUSTOMER BENEFITS

voestalpine Böhler Welding  
[www.voestalpine.com/welding](http://www.voestalpine.com/welding)

**voestalpine**  
ONE STEP AHEAD.






SYMBOL	DESCRIPTION	FEATURES & BENEFITS
	Possibility of use with engine generators	<p><b>Feature:</b> Welding equipment can be used in particular remote environment where no standard power grid network is available.</p> <p><b>Benefit:</b> Possibility to supply the equipment with engine generator.</p>
	Welding equipment controlled by digital signal	<p><b>Feature:</b> Microprocessor represent the most modern system to collect data and calculation operation, guarantee precision on data transmission and permit flexibility of function.</p> <p><b>Benefit:</b> Microprocessor guarantee identical repetitive performance during the whole lifetime of the equipment. Possibility to be updated on the latest software release, keeping product always efficient and updated.</p>
	Easy to set up and adjust the welding equipment	<p><b>Feature:</b> Fast and easy way to set equipment.</p> <p><b>Benefit:</b> Easy, intuitive setting of welding parameters and more effective welding time.</p>






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<b>compact &amp;light</b>	<b>Weight &amp; Size</b>	<p><b>Feature:</b> Welding equipment with compact design and reduced weight thanks to inverter technology and the use of aluminium and plastic elements.</p> <p><b>Benefit:</b> Easy transport and carry around of the equipment.</p>
<b>multi voltage</b> 1x115 1x230	<b>Single phase power supply</b> 1 x 115 vac 1 x 230 vac	<p><b>Feature:</b> Self line recognition, welder can use equipment where the AC input voltage is 115 vac (typical for the UK market).</p> <p><b>Benefit:</b> Setting is done by itself, allows immediate operation.</p>
<b>multi voltage</b> 3x230 3x400	<b>Three phase power supply</b> 3 x 230 vac 3 x 400 vac	<p><b>Feature:</b> Self line recognition, welder can use equipment on site where AC input voltage is 3@P 230 or 3@P 400 vac (typically for shipyards or Nordic market).</p> <p><b>Benefit:</b> Independent adjustment, allows immediate start of welding process.</p>





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	Voltage reduction device	<p><b>Feature:</b> Voltage reduction device can control / adjust the setting of the open circuit voltage. Typical applications of voltage reduction devices are mines, chemical plants and restricted areas.</p> <p><b>Benefit:</b> Safe operations in electrically dangerous environments.</p>
	Synergic line	<p><b>Feature:</b> Synergic lines are welding programs for certain welding wires and shielding gas.</p> <p><b>Benefit:</b> By selecting a synergic line (welding program) with only one click the controll of all welding parameters is possible. Easy and fast welding parameter setting.</p>
	Program	<p><b>Feature:</b> Program function allows customized programing and storage of welding programs. Programs can be recalled any time.</p> <p><b>Benefit:</b> Welder can recall stored parameters (specification of welding processes) easily and thus save a lot of time.</p>






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	Can bus communication protocol	<p><b>Feature:</b> Strong and reliable digital system for device communication, permit to use concept plug and play (use of different remote control self recognize).</p> <p><b>Benefits:</b> Plug and weld - time saving.</p>
	Full digital DSP	<p><b>Feature:</b> DSP control is one important part of the three level phase inverter concept. With that feature the power source can react very quickly to ensure best welding characteristics.</p> <p><b>Benefits:</b> A power source with DSP offers best arc control and improved welding behaviors.</p>
	Green@Wave	<p><b>Feature:</b> Green@Wave reduces the input of reactive power and fulfills EN 6000-3-12.</p> <p><b>Benefits:</b> High-efficient, energy-saving inverter. Possibility to work with long power cables.</p>





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	ArcDrive	<p><b>Feature:</b> ArcDrive is a procedure for MIG/MAG processes, offering the possibility to control the arc dynamic and material transfer in the different phases of the short circuit drop transfer.</p> <p><b>Benefit:</b> Controlled low energy in the short circuit drop transfer. Improved arc stability and less spattering. Perfect for root pass welding or big gap bridging.</p>
	RapiDeep 2.0	<p><b>Feature:</b> Welding process for MIG/MAG welding with higher deposition rate, improved welding speed and better penetration due to higher arc pressure.</p> <p><b>Benefit:</b> Faster welding speed and better welding penetration.</p>



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	QuickPulse 2.0	<p><b>Feature:</b> Welding process for pulsed MIG/MAG welding. QuickPulse 2.0 is dedicated to high deposition rate, high welding speed and better penetration.</p> <p><b>Benefit:</b> Faster pulsed arc process, concentrated arc dynamic and improved arc stability.</p>
	EN 1090 Welding Programs	<p><b>Feature:</b> Welding programs according to EN 1090 can be uploaded.</p> <p><b>Benefit:</b> Programmed welding parameters according EN 1090 standard = Welding procedure (WPS). Easy adjustment and assistance in maintaining the specified welding parameters.</p>
	Synergic Programs	<p><b>Feature:</b> Synergic lines for different filler materials can be uploaded.</p> <p><b>Benefit:</b> Welding programs / synergic lines on demand. Welding equipment is programmed for different filler materials.</p>



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	<b>Validation</b>	<b>Feature:</b> Welding equipment is provided with built-in software for validation according to EN 50504. <b>Benefit:</b> Welding equipment can be properly calibrated throughout the entire operational life.
	<b>EasyArc</b>	<b>Feature:</b> Welding process for TIG DC and TIG AC. <b>Benefit:</b> Saves time with setting the parameters.



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## 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.