

TEC

Precise guidance
for manual welding
processes

Simple & precise



Faster, lighter, more efficient—the new dimension in manual MIG/MAG welding

Long weld seams pose a particular challenge in manual MIG/MAG welding. It's difficult to keep the welding torch steady and maintain a constant speed, which often leads to uneven results. This is where the Velo velocity assistant comes in, making the welding process noticeably easier and supporting both experienced welding professionals and beginners. It is compatible with all the main Fronius welding processes such as Standard, LSC, Pulse, PMC, and CMT.

Velo is a reliable solution for all companies looking to optimize their manual welding operations and achieve perfect seams every time on steel and chrome-nickel. It can also be easily retrofitted, as the new Velo components (OPT/i Velo, WF 25i Velo, torch adapter) are also available for existing welding systems.

Velo boosts efficiency as well as precision. When combined with the new SyNext synergic line technology, it makes parameter selection significantly easier. All you need is the a-dimension, weld seam profile, and welding position—the system takes care of the rest.

Easy to upgrade and retrofit

Existing equipment is upgraded with ease, as our Velo accessories can be effortlessly integrated into TPS/i and iWave systems. Once the software has been activated and the WF 25i Velo wirefeeder with corresponding torch adapter fitted, you're ready to weld.

Velo—advantages for you



Easy handling

Even less-experienced welders can quickly produce high-quality welds as it is easier to keep the welding torch steady. Velo also relieves the strain for experienced welders, especially on long welds.



Quick determination of parameters

Setting welding parameters is much simpler thanks to SyNext. Configurations are perfect and precise from start to finish, enhancing both the efficiency and the quality of the welding job.



Increased welding speeds

Compared to conventional manual MIG/MAG welding, Velo's simplified torch guidance can be as much as double welding speeds. And speaking of speed, welders who work with Velo can certainly compete with welding robots, depending on the application.



More precise results

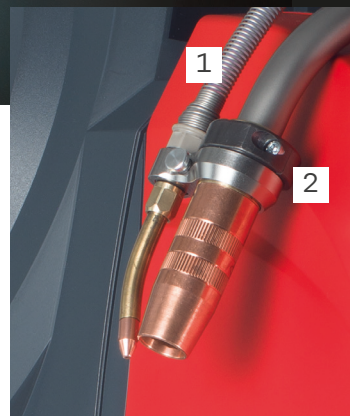
Constant welding speeds and an optimal distance between the contact tip and the workpiece (contact tip to work distance, CTWD) ensure uniform heat input and lead to higher quality welds.





New standards in length and precision

When you weld with Velo, you're enhancing your efficiency and control while maintaining consistent quality. The technology helps to keep the torch steady and ensures uniform, reproducible welds—even with long and complex passes. With Velo, you can achieve perfect results every time.



System design TPS/i or iWave Multiprocess

- 1** Velo wirefeeder
- 2** Velo torch holder
Quick, tool-free adjustment by rotating Velo's position on the welding torch
- 3** Velo wire feeding system
Additional wire feeding system for Velo
- 4** Manual MIG/MAG wirefeeder
- 5** Software license
OPT/i Velo

Fronius Canada Ltd.
2875 Argentia Road, Units 3, 4, 5 & 6
Mississauga, ON L5N 8G6
Canada
T +1 905 288-21 00
F +1 905 288-21 01
sales.canada@fronius.com
www.fronius.ca

Fronius USA LLC
6797 Fronius Drive
Portage, IN 46368
USA
T +1 877 FRONIUS
sales.usa@fronius.com
www.fronius-usa.com

Fronius UK Limited
Maidstone Road, Kingston
Milton Keynes, MK10 0BD
United Kingdom
T +44 1908 512 300
F +44 1908 512 329
info-uk@fronius.com
www.fronius.co.uk

Fronius International GmbH
Froniusplatz 1
4600 Wels
Austria
T +43 7242 241-0
F +43 7242 241-95 39 40
sales@fronius.com
www.fronius.com

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