

News release

Fronius Welding

Fronius Fortis: Next-generation manual MIG/MAG welding—flexible, networked, powerful

"With our new Fortis series, we are presenting an extremely versatile solution for high-quality manual MIG/MAG welding. We have specially designed these welding machines to meet the diverse requirements of small and medium-sized businesses," emphasizes Peter Fronius, Head of System Solutions at Fronius International. *"Fortis combines robust technology and intuitive operation with maximum connectivity to set new standards in the metalworking industry."* The brand new devices can be seen live for the first time at FABTECH in Chicago (USA) and SCHWEISSEN & SCHNEIDEN in Essen (Germany) in September 2025. Several models will also be available for visitors to try out in person.

One series, many variants

The Fortis product range contains powerful devices in the 270 to 500 A categories, either as compact all-in-one systems or as split versions with an external wirefeeder for a significantly extended operating range. All models can be equipped with proven Fronius functions such as pulse welding, SynchroPulse, stitch welding, TAC tacking function, HotStart, and anti-stick.

The portfolio is complemented by the Fortis XT, an extremely energy-efficient all-rounder for three-phase mains voltages from 200 to 600 V and single-phase operation up to max. 320 A including CEL mode. As a result these machines are perfect for worldwide use, save energy thanks to their higher power factor, and offer an additional higher output characteristic curve for even greater welding performance.

Rounding off the range is the Fortis Duo. It combines a compact device with an additional, external wirefeeder to enable the use of two wire spools and two welding torches with just one single machine. *"This means that the welder can easily switch between different materials or wire diameters at the touch of a button—and all without any retooling,"* explains Michael Eisterhuber, Product Line Manager at Fronius International. *"Users save an enormous amount of time through this feature, which is ideal for frequently changing tasks in contract manufacturing, steel construction, or assembly."*

Developed for a flexible work day

In many companies, welding tasks change on a daily basis, with new materials, changing seam shapes, or different components. The Fronius Fortis was developed as a solution to aid in this dynamic. With up to 240 welding characteristics that have been specially optimized for steel, stainless steel, and aluminum, Fortis guarantees reliable results—even in demanding applications such as vertical-up seams, root passes, or thin sheet metal joints.

Multiprocess—one device for every process

MIG/MAG, TIG, or MMA? It doesn't matter: Fortis variants are available up to a power category of 500 A with the Multiprocess function and can handle all common welding processes to deliver the highest quality results. *"With Multiprocess, Fortis is not only versatile, but also fit for the future. This means that it is equipped for all possible future tasks that may not even be known today,"* says Peter Fronius. *"It is therefore the ideal and extremely flexible solution for companies with a wide range of applications."*

Intuitive operation including welding parameter wizard

"A central element of the Fortis series is our completely new operating concept," says Eisterhuber. *"The clear 7" color display with dynamic visualizations, self-explanatory graphics, and a multilingual menu with over 30 languages to choose from make operation particularly easy—even for less experienced users."* Three robust rotary and push buttons allow precise adjustments and parameter selection, even when wearing welding gloves. All important working and welding parameters are also visible on the first menu level. Important settings can be saved and the newly integrated welding parameter wizard guides the welder to the ideal setting in just a few steps, leading to fewer errors, less downtime, and greater efficiency and quality in production.

Maximum connectivity—ready for digital manufacturing

Thanks to WiFi and Bluetooth as standard features, the Fortis can be fully integrated into the Fronius software landscape. The devices are compatible with WeldCube Air, WeldCube Premium, WeldCube Navigator, and Central User Management for user administration, seamless welding data documentation, fleet management, and process reliability. The innovative Vizor Connect welding helmet can also be connected wirelessly and ensures maximum comfort and protection. NFC readers, wireless remote controls, and extensive documentation functions are available as optional extras.

Focus on sustainability and longevity

The new housing concept for the Fortis series relies on a high proportion of recyclable aluminum (53%) and reduces the use of plastic. The devices are particularly easy to maintain, durable, designed for tough use in harsh conditions, and extensively tested, protected by the perfect casing for the sophisticated technology inside. Fortis XT also impresses with energy savings of up to 16%, making it not only extremely powerful, but resource-efficient too.

Experience live at FABTECH and SCHWEISSEN & SCHNEIDEN

Fronius will be presenting all variants of the Fortis for the first time in September 2025 at FABTECH in Chicago (USA) and at SCHWEISSEN & SCHNEIDEN in Essen (Germany). Visitors can experience the devices live, try them out in person, and experience the new levels of user-friendliness and performance for themselves. There will also be an opportunity to win a brand new Fortis at the trade fair in Essen.

Further information at: www.fronius.com/fortis

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This news release together with the images are available for you to download:
<https://www.fronius.com/en/welding-technology/info-centre/press>.

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Images



Manual MIG/MAG welding of the latest generation with the powerful, flexible, and fully digitalized Fronius Fortis. Whether single-phase or three-phase as well as in generator-powered operation, the new power package always delivers high welding quality, worldwide.



The brand new Fortis product family (270 to 500 A) offers the right model for every requirement. They are available as a compact all-in-one system in which the water cooling system can also be integrated to save space, or as a split version with an external wirefeeder for a significantly larger operating range.



Ease of use is a top priority. Available in over 30 languages, the clear 7" color display with dynamic visualizations makes operation particularly easy. The newly integrated welding parameter wizard guides you to the optimum setting in just a few steps.



The split Fortis with external wirefeeder ensures the maximum operating range with an interconnecting hosepack up to 20 meters long. The Pulse function can also be used with an intermediate hosepack up to 15 meters long.



The Fortis Duo combines a compact welding machine from 320 to 500 A with an additional, external wirefeeder. This means that the welder has two different materials or wire thicknesses ready to hand on a single device, saving time-consuming process changes for frequently changing welding tasks.



Peter Fronius
Head of System Solutions
Fronius International



Michael Eisterhuber
Product Line Manager
Fronius International

We are Fronius.

Around 6,700 employees worldwide at the end of 2024, a current export share of 90 percent, and 1,752 active patents: that's us, that's Fronius. Founded in 1945 as a regional one-man operation, we are now a global industrial company—a fact that is impressively demonstrated by our 37 international subsidiaries and our network of sales partners in more than 60 countries. And yet, at heart, we are still a family-owned company from Austria working in the electrical and electronics industry. Fronius Welding continues to revolutionize welding technology, while Fronius Solar & Energy focuses on making the best possible use of solar energy and optimizing battery charging systems for intralogistics. For 80 years, we have kept our sights set on the same clear goal: Researching electricity and making efficient use of this fuel of the future. We develop products and solutions for a future worth living in, offering our customers an all-in-one package extending from advance planning and consulting to ongoing monitoring and a repair service tailored to their specific needs. We are innovative. We are curious. We are Fronius.

Fronius Welding.

Maximum arc quality, a deep understanding of our customers, a thirst for technical progress: We are the innovation leader for arc welding and the global market leader for robot-assisted welding. Our customized, automated complete systems and digital welding solutions for Industry 5.0 are the product of our expertise. Intuitive welding systems for manual welding applications, high-quality welding accessories, and effective protective products to keep users safe round off our portfolio. As a global company, we offer regional service through local teams who are on hand for our customers around the world. Our technologies break new ground and form connections – between metals, industries, and people.

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