

## Fronius Fortis: flexible, networked and powerful MIG/MAG

Fronius has launched its next-generation Fortis series MIG/MAG and Multiprocess system, a versatile range of solutions for high-quality manual MIG/MAG, TIG and MMA welding with an all-new modern design that meets the diverse requirements of small and medium-sized businesses.

The new generation Fronius Fortis range was launched at FABTECH in Chicago (USA) and SCHWEISSEN & SCHNEIDEN in Essen (Germany) in September this year. "Fortis combines robust technology and intuitive operation with maximum connectivity to set new standards in the metalworking industry," said Peter Fronius, Head of System Solutions at Fronius International.

The Fortis product range comprises several powerful devices operating in the 270-500 A welding current range. They are available as either compact all-in-one systems or as split versions with external wire feeders, which provide a significantly extended operating range. All models can be equipped with proven Fronius functions, including pulse welding, SynchroPulse, stitch welding, TAC tacking, HotStart and anti-stick.

The Fortis XT complements the portfolio as a highly energy-efficient all-rounder for

three-phase mains voltages ranging from 200 to 600 V and single-phase operation at up to 320 A, featuring an advanced cellular electrode (CEL) welding mode. As a result, these machines are ideally suited for worldwide use, saving energy thanks to their higher power factor and offering a higher output characteristic curve for even greater welding performance.

Rounding off the range is the Fortis Duo, which combines a compact Fortis MIG/MAG machine with an additional, external wire feeder, enabling the use of two wire spools and two welding torches from a single power source. "This enables the welder to easily switch between different materials or wire diameters at the touch of a button, all without any retooling," explained Michael Eisterhuber, Product Line Manager at Fronius International. "Users save an

enormous amount of time through this feature, which is ideal for frequently

The Fortis product family covers the 270-500 A range. Compact all-in-one systems that can include integrated water cooling, or split versions with external wire feeders for a significantly extended operating range, are available.



Fronius' latest-generation Fortis manual MIG/MAG welding system range offers powerful, flexible, and fully digitalised welding performance.



Rounding off the range is the Fortis Duo, which combines a compact Fortis MIG/MAG machine with an additional, external wire feeder, enabling the use of two wire spools and two welding torches from a single power source.

changing tasks in contract manufacturing, steel construction or welded assembly."

### Developed for flexible working

In many companies, welding tasks change daily, with new materials and different seam shapes on various components. The Fronius Fortis was developed as a solution to aid in this dynamic. With up to 240

welding characteristics specially optimised for steel, stainless steel and aluminium, 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 with multi-process functions are available for power levels up to 500 A, accommodating all standard welding processes and delivering the highest-quality results. "With Multiprocess, Fortis is not only versatile but also fit for the future. These systems are equipped for all possible future tasks that may not even be known today," said Peter Fronius. "It is therefore the ideal and extremely flexible solution for companies dealing with a wide range of applications."

### Intuitive operation and welding parameter wizards

"A central element of the Fortis series is our completely new operating concept," said Eisterhuber. "The clear 7-inch colour display with dynamic visualisations, self-explanatory graphics, and a multilingual menu with over 30 languages to choose from makes 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. Necessary settings can



The split Fortis, equipped with an external wire feeder, ensures a maximum operating range of up to 20 m with an interconnecting hose pack. The Pulse function can also be used with an intermediate hose pack up to 15 m long.

be saved, and the newly integrated welding parameter wizard guides the welder to ideal settings in just a few steps, resulting in fewer errors, less downtime, and improved efficiency and quality in production.

### Maximum connectivity – ready for digital manufacturing

Thanks to Wi-Fi and Bluetooth as standard connectivity features, the Fortis can be fully integrated into the Fronius software landscape. The machines 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, ensuring maximum comfort and protection. NFC readers, wireless remote controls and extensive documentation functions are available as optional extras.

### Sustainability and longevity

The new housing concept for the Fortis series relies on a high proportion of recyclable aluminium (53%) and reduces the use of plastic. The devices are particularly easy to maintain, durable and designed for tough use in harsh conditions. They



Available in over 30 languages, the clear 7-inch colour display with dynamic visualisations makes operation particularly easy.

are extensively tested and protected by a casing purpose-designed to safeguard the sophisticated technology inside. Fortis XT impresses with energy savings of up to 16%, making it not only extremely powerful but also resource-efficient.

For those wishing to experience the new levels of user-friendliness and performance that Fronius Fortis machines offer, they are now available in South Africa for live testing at Fronius' Smart Hub in Midrand, through all branches of Bolt & Engineering Distributors Group (B.E.D.), and through Proac Engineering in the Eastern Cape.

[www.fronius.com/en-za/south-africa](http://www.fronius.com/en-za/south-africa)