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Fronius' new Artis and Ignis options

With the launch of the Artis 300 and Ignis 250 welding power sources, Fronius extends the power and capabilities of the Artis TIG series and Ignis MMA series.

the new Artis 300, designed to meet more demanding, precise welding requirements.

Similarly, for the flexible, robust, everyday-welding Fronius Ignis series, a new 250 A Ignis machine has been added, enabling manual arc welding anytime, anywhere at up to 250 A.

Both the new Artis TIG 300 and Ignis MMA 250 series machines from Fronius include all the familiar functions of their more compact models, but also offer higher performance and greater ease of operation. The Artis is also available in an extended XT version designed for mains voltages from 200 to 600 V and can therefore be used worldwide. Depending on the power category and the mains fuse, this enables maximum welding current in single-phase operation.

Artis 300: more power with added features

The Fronius Artis is a reliable TIG welding companion for many welders in their day-to-day work. The new Artis 300 adds a third device to the product family, offering greater power, improved user-friendliness, and an extended XT version for worldwide use. A water-cooled version is also now available. As usual, the numerous TIG functions of Fronius Artis welding machines enable high-quality welds with excellent surface finishes.

Whether used for pipe maintenance, handrail installation, machine repair, or hot water tank production, the Artis 300 is ideal for small- and medium-sized companies performing a wide range of stainless-steel welding applications. With the latest addition to the Artis series, manual TIG welding using up to 300 A is now possible. "The new Artis is the logical expansion of the Artis series and is specially tailored to users with higher power requirements," says Michael Eisterhuber, Product Line Manager at Fronius International.

The Artis 300 combines all the functions of the two more compact models and supports perfect weld quality and a high-quality seam appearance. These include TIG pulse welding up to 990 Hz, the TAC tacking function, spot and stitch welding, trigger mode, gas pre-flow and post-flow time settings, and touch high-frequency ignition for difficult access. If required, the Artis is also suitable for electrode welding, making it a real all-rounder.

To make the most of the Artis 300's advantages in everyday welding, the device is equipped with an optimised control panel that is easy to use, even with gloves on. Five EasyJob buttons allow important welding parameters to be saved, making recurring welds easier. An additional favourites button makes the most important background parameters available in just one step. During welding, the clear welding current display enables precise control of the entire process.

The Artis is available in a wide range of variants and can be adapted to individual requirements. A new addition is a dedicated welding machine variant with integrated water cooling. A new stepper motor pump concept with built-in temperature sensors makes the device particularly energy-efficient, with cooling only starting when needed. This makes it a great alternative to the familiar air-cooled version.

The new Artis 300 is the perfect addition to the Fronius TIG welding portfolio. Together with the iWave, which is also suitable for aluminium welding, Fronius covers both everyday welding tasks and more challenging applications. While the Artis series supports TIG DC welding, the iWave is designed for TIG AC/DC and industrial applications, including both automation and robotic welding, and features such as CycleTIG and TIG DynamicWire round off the range of special TIG functions.

The new Fronius Ignis 250 MMA

Flexible, robust, and made for everyday welding, that's what the Fronius Ignis series is known for. The new Ignis 250 expands this portfolio with a powerful machine



The Ignis 250 expands the compact Ignis 150/180 series with a powerful device that can also be used in regions with different mains voltages, thanks to the XT variant.

that enables manual arc welding at up to 250 A, anytime, anywhere. In addition to the familiar functions of the more compact models, the Ignis 250 boasts higher performance, greater ease of operation, and an extended XT version for worldwide use.

Each welding task has its own specific requirements, but the weld must always be perfect, and, depending on the application, also look good. Welders face challenges from varied environmental conditions, hard-to-reach areas, and power grid voltage fluctuations, especially during maintenance and servicing tasks or assembly work.

The Ignis series helps master welding tasks under adverse conditions by maintaining a stable arc. With the Ignis 250, this is now also possible for larger welding tasks that require more power, without compromising functionality or user-friendliness.

"When it comes to MMA welding, welders are confronted with an increasingly diverse range of tasks and materials. This calls for devices that meet these requirements in terms of performance," says Eisterhuber.

Providing insights into the development process, he says the three-phase Ignis 250 extends the existing Ignis 150/180 series upward and offers maximum flexibility for electrode welding up to 250 A. This means that welding tasks with thicker materials or those requiring large electrodes can also be

completed optimally using familiar Ignis functions such as HotStart, SoftStart, anti-stick, MMA Pulse, and TrackingArc. The new Ignis 250 guarantees a stable arc and high-quality results, whether high up, far below, or in hard-to-reach places.

The Fronius Ignis is also available in country-specific variants. The extended version (XT) can be used worldwide due to its wider input voltage range and single-phase operation, and it can be operated with generators without issues. The Ignis XT variant is the right choice if there are challenges with input power.

The new machine also features a user-friendly control panel that provides an optimal overview. Weld repairs often have to be carried out quickly. Simple machine settings and parameter reading make handling this easier. Thanks to the new user-friendly control panel on the Ignis 250, welders can clearly see everything and change settings intuitively. The favourites button brings the critical welding parameters to the first menu level for quick and convenient access. In addition, up to five EasyJobs with current welding-relevant settings can be saved. The welding current display on the new interface also enables precise control throughout the welding process.

The Fronius Ignis 250 not only impresses



The large user interface on the Ignis 250 ensures intuitive and straightforward operation—even when wearing gloves.

with its perfect welds and easy handling, but also with its robust design. It is the perfect companion for outdoor use in harsh environments. The high-quality materials and sturdy housing ensure an extremely long service life.

Like all Fronius devices, the Ignis 250 is future-proof. MMA welding systems are often exposed to high levels of wear and environmental influences. It is therefore imperative that all components be easily accessible and that they can be serviced or repaired quickly in the event of a failure.

Fronius Artis and Ignis welding machines, including the new Artis 300 TIG and Ignis 250 MMA systems, are now available in South Africa through official Fronius Distributors, Bolt & Engineering Distributors (B.E.D.) and Proac Engineering.

<https://www.fronius.com/en-za/south-africa>