

**MIG/MAG welding machine from EWM makes welding Industry 4.0
capable**

Titan XQ puls increases efficiency and saves money

In keeping with the “Welding 4.0” slogan, EWM will introduce its conclusive answer to the urgent challenge of “Industry 4.0” for the welding industry – the new multiprocess MIG/MAG pulse welding machine series Titan XQ puls. Its key innovation: it has comprehensive digital network capabilities and can therefore unlock significant untapped potential for savings throughout the entire process chain. In addition, it also includes all the efficiency-enhancing, innovative welding processes from EWM as standard in the machines at no extra charge. At the same time, the Titan XQ puls offers the characteristics typical of EWM – durability, robust design and high power reserves.

Digital networking under the Industry 4.0 buzzword will soon be a must for any manufacturing company. EWM makes its customers future-proof with the Titan XQ puls. In addition to many other digital functions, the machines are network-compatible via the Welding 4.0 welding management system ewm Xnet. Welding procedure specifications can be transmitted directly from the planning office to the Titan XQ puls – paperless and including all parameters. At the same time, the ewm Xnet software also takes over the often obligatory bureaucracy – Titan XQ puls is able to deal with a large part of the previously time-consuming welding documentation automatically with ewm Xnet, traceable down to the last detail for each individual run. Thanks to Titan XQ puls, considerable increases in efficiency and quality can be achieved with EWM Xnet throughout the entire added-value process of a welding company.

Robust for tough applications

EWM has designed its new Titan XQ puls welding machine for tough applications, especially in steel, shipbuilding and vehicle construction. It is splash-proof (IP23) even under extreme conditions in rain, frost and snow in

the temperature range from –25 °C to +40 °C. The 350 A, 400 A, 500 A and 600 A power variants are initially offered as decompact versions with the separate lightweight 13 kg wire feeder, which has also been newly developed.

The inner values of the welding machine additionally attest to the EWM quality at its latest stage of development: the Titan XQ puls inverters are designed for hard continuous operation in 3-shift operation. They guarantee a duty cycle of 80% (Titan XQ puls 350,400 and 500). The generous dimensioning of power semiconductors and cooling, in particular, promises a long service life and no trouble with the heart of the welding machines.

New welding torches and controls

The user can look forward to innovations in everyday operation. This includes four versions of the brand new PM welding torch to choose from. Control buttons, graphic display and LED illumination of the working area as well as the new, ergonomically shaped grip with rubber insert promise comfortable, fatigue-free welding even in positional welding.

Other innovations come in the form of three controllers to choose from, which EWM is presenting with Titan XQ puls. The premium model is called Expert XQ 2.0. Only welding procedures, material, gas and wire diameter need to be selected via click-wheel operation in the plain text display – the characteristic that exactly matches the welding task automatically follows.

All welding procedures as standard

All innovative welding procedures from EWM are included in the purchase price of the Titan XQ puls as standard and can be selected via any of the offered controls. Regardless of whether for thin or thick sheet applications, filler, final or root passes, or in positional welding – the Titan XQ puls perfectly fulfils any welding task on low to high-alloy steel and aluminium.

Available as standard are forceArc, forceArc puls, wiredArc, wiredArc puls, coldArc, coldArc puls, rootArc, rootArc puls, positional welding as well as MIG/MAG pulse and standard arc. Not only do they make it easier to produce

welding seams of a consistently high quality, they can also save a considerable amount of time and material.

Individually practice-oriented

The Mündersbach-based premium manufacturer offers a wide range of specifications for every requirement with the Titan XQ puls. So, the customer does not have to make any compromises but buys exactly what he really needs. The following options are available: one or two wire feeders, mobile or stationary version with feet, none, one or two gas cylinder holders, gas or water cooled as well as heavy-duty pump. Titan XQ puls is liftable by crane as standard. The wire feeder can also be individually configured: electronic gas flow control, wire spool heating and wire reserve display are available as options.

Good design for best performance

The completely redesigned housing of the Titan XQ puls features the new ergonomic handles for comfortable operation and for suspending the hose package. The connection panel is tilted downwards to prevent kinking of the cables and the many individual mounting and storage options underline the sophisticated design. The large wheels with locking mechanism ensure that obstacles, such as cables or hoses lying on the ground, can be easily overcome. The inner workings are also impressive. Optimised air ducts ensure less contamination, even when used in a dusty environment. In addition, the modular design considerably reduces maintenance and repair times – so that the Titan XQ can be used for exactly what it is built for. Welding in continuous use.

- / Date: 25 September 2017**
- / Scope: 5,513 characters including spaces**
- / Images: 4**

Image 1: Graphic



Titan XQ pul from EWM is the new multiprocess MIG/MAG welding machine with comprehensive digital connectivity.

Image 2: Graphic

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Individual configuration options cover every application-specific requirement: for example, two wire feeders for effortless switching between two different wires and shielding gases.

Image 3: Graphic



Three HP-XQ, LP-XQ and Expert XQ 2.0 controls are available and offer a practical operating concept. Expert XQ 2.0 can also be networked via LAN and WiFi.

Image 4: Graphic



The lightweight 13 kg wire feeder can be customised as required – including optional wire spool heating and wire reserve sensor.

For more high-resolution images, please see: www.ewm-group.de

/// About EWM:

EWM AG is Germany's largest manufacturer of arc welding equipment and one of the most important suppliers of this technology worldwide. The family-run company offers a complete range of systems for first class welding. From welding machines, welding torches and welding consumables to accessories for manual and automated applications, EWM offers everything from a single source. The company takes technological responsibility for the entire welding process. In addition, customers also benefit from a comprehensive range of services. This also includes the innovation and technology consulting "ewm maXsolution". EWM has a strong global presence with approximately 600 employees based at twelve German and seven international locations, supported by more than 400 sales and service outlets worldwide.

Thanks to their extensive, highly innovative development work in products and welding procedures, EWM is considered by competitors and users to be one of the industry's primary drivers of welding technology. EWM brings the added value of Industry 4.0 to

welding production with intelligently networked and productivity-enhancing solutions. The company's passion for welding is clear from its guiding motto 'WE ARE WELDING'. Together with the "BlueEvolution" sustainability initiative, the aim is to meet the specific customer requirements in the best possible way – always taking into account cost-effectiveness and ecology. Users benefit from energy-saving welding processes, significantly lower use of raw materials, reduced emissions and shorter overall production times. As a result, this leads to significant cost and resource savings. In this way, customers can boost their competitiveness while also protecting the environment.

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