SOFTWARE

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WE ARE WELDING



ewm Xnet 3

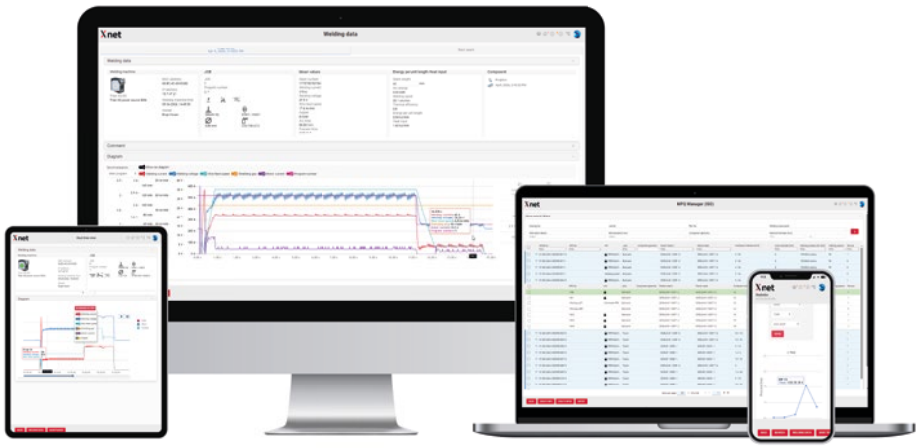
A NEW LOOK. NEW POWER. NEW POSSIBILITIES.

www.ewm-group.com/en/

ewm Xnet 3

THE NEXT GENERATION OF DIGITAL WELDING MANAGEMENT.

The demands placed on modern welding facilities are constantly increasing: higher quality standards, extensive obligatory documentation, growing cost pressures and the need for more efficient production processes are a daily reality for many companies. At the same time, digital solutions that create transparency, optimise processes and enable informed decisions based on real production data are becoming increasingly important.



With ewm Xnet 3, EWM presents a comprehensively enhanced platform for digital welding management. The software links welding machines, employees and production data into a seamless information system – from planning and manufacturing right through to quality assurance and analysis. This gives you a clear overview of all welding processes within the company.

The new version is based on a completely modernised technological platform and offers significantly improved performance as well as an intuitive, web-based user interface. The modern interface ensures that all relevant information is clearly displayed and allows you to access the system via a range of devices – from industrial PCs to tablets. At the same time, optimised search, filter and analysis functions make it easier for you to work with large volumes of data on a daily basis.

ewm Xnet 3 combines cutting-edge software technology with expertise in industrial welding, which lays the foundations for greater efficiency, higher quality and greater transparency throughout the entire welding process.

ewm®

WE ARE WELDING



DIGITISE ANY WELDING OPERATION.

YOUR BENEFITS AT A GLANCE.

COST REDUCTIONS

- Recognise potential savings by recording consumption values for power, shielding gas, welding consumables and welding time
- Minimize your wear part consumption with timely maintenance notifications instead of premature ones
- This gives you effective cost control through clear processes and the ability to carry out accurate post-project costing

GUARANTEED AND INCREASED QUALITY

- Documentation of the welding parameters and the welders of every run provides long-term, traceable welding quality
- Minimise errors by linking the WPS to the component, on-time monitoring of parameters directly on the welding machine and clear assignment of the required qualification to the welder.
- Always get correctly set parameters thanks to the precise specifications from component management and the WPS manager
- Xbutton ensures expert welding and supports welding coordination personnel by identifying welder qualifications



INCREASED PRODUCTIVITY

- Longer arc times per shift improve efficiency
- Reduce unproductive times with paperless transfer of all relevant data and WPS directly to the workplace
- Preset welding parameters reduce the number of error corrections
- Avoid unnecessary downtime with just-in-time, consumption-oriented maintenance notices, e.g. for consumables

WELDING COORDINATION PERSONNEL

- Traceability, ability to produce proof for product liability purposes
- Monitoring of the welding parameters in real time
- Digital generation and management of the welding documentation (pWPS, WPS, WPQR, welder certificates)
- Facilitates ISO 3834 and EN 1090 certification



MANAGEMENT

- Precise calculation of consumption and costs of the welding process using recorded data (by component or machine)
- Welding efficiency analysis taking into account various criteria (component, task, welding machine, welder, period, layer, etc.)
- SQL database with a data interface for analysis in a BI tool

WELDER

- The scanning process helps you to easily set your welding parameters
- Let the new ewm Xnet 3 user interface and the functional welding torch guide you through the correct welding sequence
- Monitor your welding parameters in real time: The results are shown on your welding machine's display, on the LED status bar, or on a tablet or PC

THE KEY NEW FEATURES IN ewm Xnet 3.

With ewm Xnet 3, the digital welding management system has undergone a comprehensive technological and functional upgrade. In addition to a completely modernised user interface, performance, data processing and analytical functions were significantly improved. The result is a more powerful, intuitive platform that is even better suited to the demands of modern production environments.



NEW WEB INTERFACE

The user interface of ewm Xnet 3 has been redesigned to be modern and intuitive. The minimalist design improves readability and layout, while optimised colours minimise distractions. Large controls make the device easy to use, even in demanding production environments.

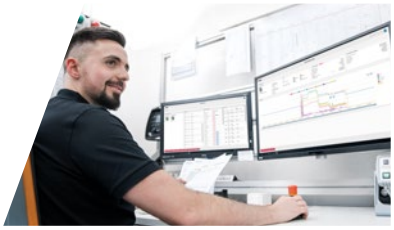
The new dashboard makes key metrics and status information even more clear and transparent, and the revamped navigation allows for quicker access to functions. Thanks to its responsive design, ewm Xnet 3 is easy to use on all machines.



TECHNOLOGICAL MODERNISATION

With ewm Xnet 3, the software's technological foundation was fundamentally modernised. The new architecture not only improves stability and maintainability, but also delivers better performance in day-to-day use.

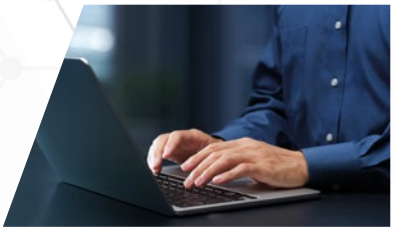
At the same time, the new technology lays the groundwork for the faster implementation of future features and enhancements. Safety and system stability were also enhanced in order to meet the growing demands placed on industrial software solutions in the long term.



ENHANCED DATA FUNCTIONS FOR LARGE QUANTITIES OF DATA

Many welding workshops generate large volumes of production and process data on a daily basis. ewm Xnet 3 has therefore been specifically optimised for the efficient handling of large data sets. New features speed up the loading and display of large tables.

Powerful search, filter and sort functions enable quick and targeted data analysis. A live search allows you to find relevant information in a matter of seconds. With the new interactive filter search, custom search configurations can be saved as templates and reused.



NEW STATISTICS AND ANALYSIS MODULES

ewm Xnet 3 significantly expands the possibilities for data analysis. Freely configurable statistics enable even more flexible analyses. Production figures can be clearly presented in charts or tables.

These analytical functions make it easier to identify trends and efficiency potentials, and to make informed decisions based on real production data. Results can also be exported directly as CSV or PDF files for further analysis.



NEW PRINT FUNCTION FOR DOCUMENTATION AND REPORTS

With the built-in print function, reports and documentation can now be generated directly from within the system. PDF generation ensures a consistent and professional layout for all generated documents. This makes it much easier and quicker to produce reports, records or quality certificates.



OTHER FUNCTIONS

ewm Xnet 3 has also been enhanced in terms of its administrative functions. The new stamp management system improves the allocation and administration of welder stamps, as well as traceability within production.

The welder management system has also been expanded and now allows for the management of welder information and the clear management of qualification assessments. These features help companies to track qualifications transparently at all times and to reliably meet the requirements for certified welding processes.

THE SMART CONNECTION TO YOUR WELDING MACHINE: ewm Xnet 3.

From the Titan XQ puls with integrated networking options and innovative welding process controls to machines from other manufacturers – ewm Xnet 3 lets workshops network all of their arc welding machines. The following connection options are available:

Titan XQ
Phoenix XQ
Taurus XQ

RC XQ Expert 3.0
MIG/MAG external remote control LAN / WiFi



All EWM machines with digital interface (7-pole)

With Extended Set
LAN / WiFi



Titan XQ
Phoenix XQ
Taurus XQ

With Expert XQ 3.0
integrated WiFi option:
LAN available as standard
or through retrofitting



Machines from other manufacturers

With Universal logger DGC
and Xnet Extended Set
LAN / WiFi



ewm Xnet ON-PREM SERVER

Tetrix XQ

With Expert XQ 3.0
integrated WiFi option:
LAN available as standard
or through retrofitting



Tetrix XQ

RC XQ Expert 3.0 TIG
external remote control
LAN / WiFi



THE MODULAR STRUCTURE OF ewm Xnet 3.

The modular ewm Xnet 3 welding management system can be flexibly adapted to the requirements of individual production processes. The three consecutive modules, together with the optional XButton Tool, automatically adapt to the operating mode and company size. Thanks to the integrated licensing options, additional modules can be added at any time with ease. Supported by EWM's customizable software maintenance agreements, smooth system operation is reliably ensured. This allows you to benefit measurably from the very first module.

How would you like begin? If you're starting by connecting your welding machines to a data network, Variant 1 is just the thing. The Xnet Arc Set allows you to record welding data and generate analyses. You can expand the modules flexibly at a later date.
If you wish to start by managing qualifications, welding procedure specifications and procedure tests, Variant 2 is recommended. Ultimately, both options give you every opportunity to make full use of ewm Xnet 3.

VARIANT 1 +

Xnet ARC-SET

+ **Xnet WPQ-MODULES** + **Xnet PART-MODULES**

+ **XBUTTON**

VARIANTE 2 +

Xnet WPQ-SET

+ **Xnet ARC-MODULES** + **XBUTTON**

+ **Xnet PART-MODULES**

THE MODULES IN DETAIL.

Xnet ARC

Set: comprising a USB dongle with a serial number, an installation file and a software licence
Modules: comprising a software licence as an extension for an existing Xnet WPQ Set

Range of functions:
- Machines/machine status visible via the network
- Monitoring of welding parameters in real time
- Recording of welding data
- Welding machine maintenance
- Bar code scanning
- Costs and consumption
- Display of the most important information on the dashboard
- An additional licence is required for each welding machine



Xnet WPQ

Set: consists of a USB dongle with a serial number, an installation file and a software licence
Modules: consists of an extended software licence for an existing Xnet Arc Set

Range of functions:
- Creation and management of a database for WPQR, WPS, welders and welder qualifications in the network
- Reminder of due confirmation/extension of welder qualification



Xnet PART MODULES

Consisting of an extended software licence for an existing Xnet WPQ Set or Xnet WPQ modules

Range of functions:
- Creation of components, e.g. with image, drawing or welding sequence
- Allocation of WPS, monitoring profile, length of each weld seam in the welding sequence
- Identification of components before welding
- Transfer of the welding parameters to the welding machine
- Allocation of recorded welding data, consumption, costs for each scanned component



XBUTTON SET

Consists of USB dongle, software licence, programming box incl. USB cable, 10 x authentication keys (Xbuttons) and a programming button

Range of functions without integration in an ewm Xnet system:
- Identification of the welder at the welding machine
- Managing permissions for the welder at the welding machine
- Qualification of the welder on the key

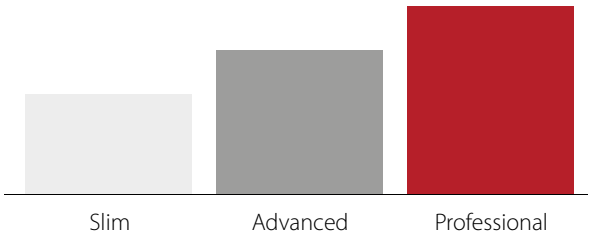
Additional range of functions with integration in an ewm Xnet system:
- Allocating the welder to a component or a weld seam
- Checking the validity of the welder's qualification upon logging into the machine
- Shared use of the Xnet database
- Classification of welding machines and welders into groups for individual rights management



SERVICES.

OUR Xnet MAINTENANCE PACKAGES

EWM offers all our customers flexible and long-term Xnet support in the form of software maintenance contracts. The range of services is divided into different tiers and can be selected to suit the company's needs. Many important aspects like updates, training content, support etc. are covered continuously to ensure that Xnet runs smoothly and reliably.



ADDITIONAL SERVICES

In addition to purchasing ewm Xnet 3, you'll benefit from our comprehensive range of services. The software installation, which can be booked as an optional extra, can be carried out either remotely or on site, based on your IT and your technical requirements.

We also offer practical workshops such as 'Working efficiently with Xnet', in which users receive targeted training on how to make the best use of the solution. This way, we ensure that you can make the most of Xnet's full potential right from the start.



WE ARE WELDING

We're happy to help: **xnet@ewm-group.com**

EWM is your partner for the best welding technology. With EWM, you'll weld more efficiently, more reliably and produce higher-quality results. EWM's innovative systems, high-performance welding procedures, digital technologies and services, as well as expert consultation all support you in achieving perfect results from your welding tasks.



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The contents of this document were researched, checked and edited with care. However, it is still subject to alterations, writing errors and mistakes.