![Magmaweld logo] **magmaweld**

Industry 4.0 for Welding: magNET

magNET

The future of welding lies in seamless connectivity and real-time data analysis. This is a critical component of the Industry 4.0 revolution in the welding industry.

Industry 4.0
It is very important to collect and analyze real-time data from all processes in order to follow production efficiency and product quality to act on problems before they occur.

Digitalization
We provide competitive advantage to our customers through the digitalization of welding processes and help achieve a process ready for the Industry 4.0 revolution. Magnet provides users with a product that is intuitive and easy to connect and use..

Real-time analysis of a process is priceless
Magnet allows users to connect to all machines, brands, WPS documents and to any kind of software for a seamless integration. It is important to analyze data as it happens from any device or location.

The magNET welding management platform provides the ideal solution for anyone with a welding related process.

Every Weld is Critical

- Data collection from any make/model welding equipment
- Experience in a range of industries from automotive to steel construction
- Access our web-based software wherever you are
- Log every weld with a sampling rate of up to 10 logs per second
- Add limits and alarms to follow errors and act on them
- Track machine and welder performance
- Special applications for robotic welding
- Integration with WPS/WPQR documentation
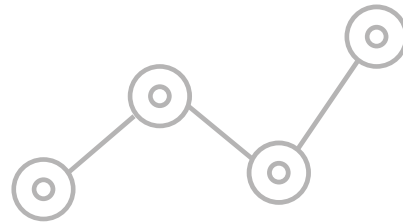
Welding Module Options

· Simple user interface
· Detailed reports for all data
· Machine and welder performance tracking
· Integration with **WPS/WPQR** documents
· Web- based software
· Limits and alarms
· Integration with ERP systems or Excel
· Real-time connection through **WiFi or Ethernet**

From the MagNET option with 10" screen;
· Welder data entry
· Error entry
· Downtime entry
· Work order or WPS number entry
· Gas or Wire type entry

· Ethernet (10/100)
· IEEE 802.11 Wireless Network Connection(b/g/n)
· 1 x USB 2.0 Host, 1 x USB 2.0 OTG Connection
· 4 x Isolated Analog Input
· 1 x Isolated Current Sensor Input
(+15VDC, -15VDC Isolated Feed Output)
· 1 x Gas Input
· 1 x Gas Outlet

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Your data is with you wherever you are

· Web based software allows you to access data wherever you are
· Detailed analysis of critical parameters
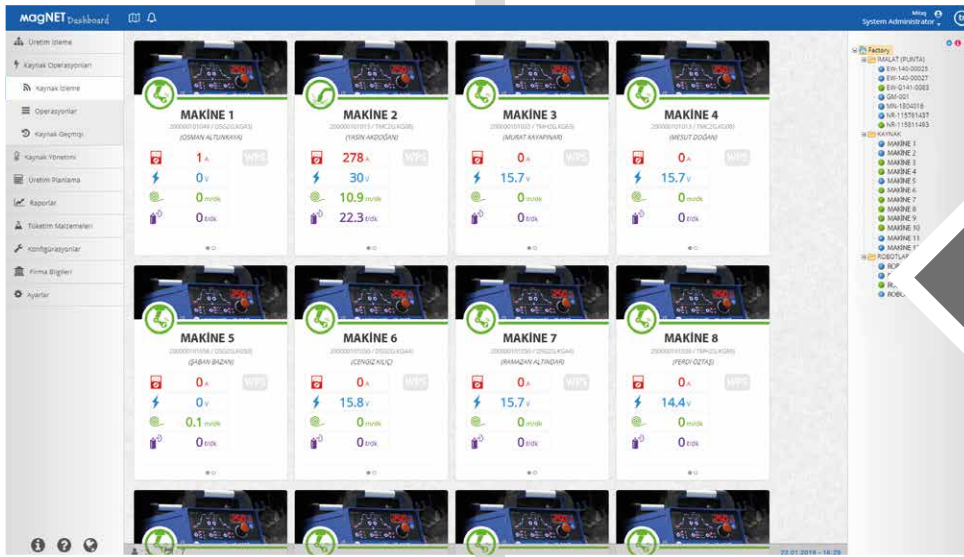· Seamless integration with existing software

Data collected from all welding processes;

· Arc-on Time
· Weld Deposition
· Weld Current and Voltage
· Wire Speed and Consumption
· Gas Flow and Consumption
· Energy Consumption
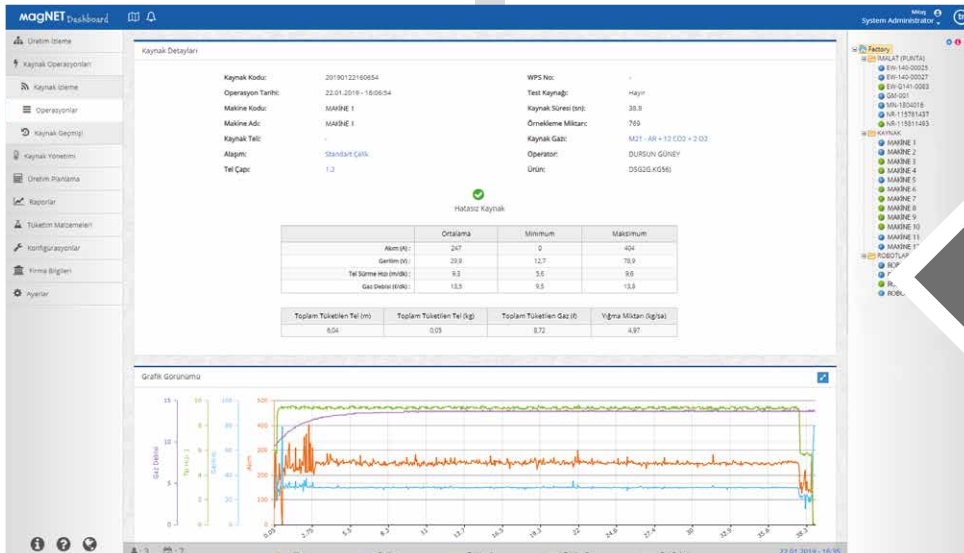· Welding speed for semi-automated systems

For robotic applications;

· Cycle time
· Robotic arm movement time (when not welding)
· Application for 2 sided fixtures
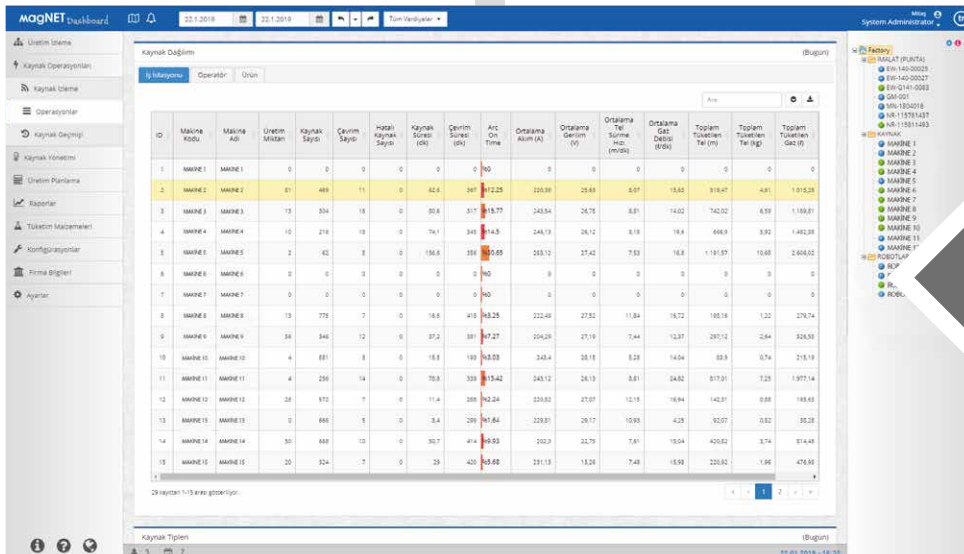· Output to robot if gas or wire is finished

· Intuitive and easy to use interface

· Detailed analysis of every weld log

· Comparison and detailed data for
  every welding machine

Large Operator Screen

With an optional 10" screen the welder can enter;

· Identity
· Errors
· Downtimes
· IWork orders and WPS data
· Gas and Wire Types

Ready for EN1090
· Fully integrated for welding with WPS data
· It is possible to use database of ready
  Magmaweld WPS data
· Save all data in the cloud

· Welder Identification

· Work order and product integration

· Gas and Wire Type Entry

100% Magmaweld

magNET is fully designed and manufactured by Magmaweld engineers at its Magma Mekatronik factory.

Please contact us for more information and for a free demo booking.

MW magmaweld