



EVOHMI

THE EVOLUTION OF HUMAN-MACHINE INTERFACE



TOTAL CONTROL

FOR WELDED TUBES PRODUCTION



THE GENTLE REVOLUTION

EVOHMI | THE NEW SIMPLE AND FRIENDLY INNOVATIVE SOFTWARE



LESS IS MORE

Make it easy to improve production

'Less is more': MTM bet on the speed setting, operations decrease and data entry with the only purpose to improve the production by decreasing faults and machine downtime.

EVOHMI

The new user-friendly era

In the human-machine interface field user-friendliness is a keyword for HMI. So the only possible revolution is to simplify in order to offer a user-friendly interface which makes the software successful.



MAKE IT EASY TO EVOLVE

FROM THE GRAPHICAL USER INTERFACE TO THE NEW HUMAN INTERFACE ERA



HMI becomes GUI

The graphical interface which makes it easier

EVOHMI uses the Graphical User Interface concept (GUI) in order to make the operators' job more intuitive.

Thanks to these icons every operator will be able to check the tube production process with ease.

EVOHMI evolution starts with simple actions: touch the icons and see all the production steps, such as machine parameters, production speeds, etc., No need to enter any parameters from the keyboard, no skilled labor or ad hoc committees necessary. EVOHMI is for everyone, making the job more efficient, thus increasing productivity. EVOHMI is what you have been waiting for.

EVOHMI, the simple evolution powered by



SIMPLICITY AND COMPLEXITY can co-exist

Simple graphics integrates with data processing in a single software platform enabling the operator to oversee the entire mill operation and react to situations that decreases productivity. For example, tube mill speed is controlled and displayed on a chart so that the operator can check which sections of the mill are not being utilized fully and intervene to maximize efficiency.





SUPERVISED PRODUCTION

EVOHMI | THE SOFTWARE TO INNOVATE YOUR PROCESS



EVOHMI and SCADA

EVOHMI goes beyond just the graphic display of data. Inside EVOHMI there's a SCADA core (Supervisory Control and Data Acquisition) able to communicate any kind of data gathered by Level 1 controls to a single device at any moment.

Analyzing the data collected during production enables management to improve the entire

supply chain. EVOHMI becomes an intuitive and simple means for the production manager to be able to control the whole production together with the machine operators.

Simplicity and complexity coexist in a reliable and durable software platform, a unique work tool able to check all the production process to decrease time loss and material as a medium/long term effect.



PERFORMANCE, QUALITY, SAVINGS
EVOHMI | WHEN TECHNOLOGY HELPS YOU SAVING MONEY

IT IS WORTH INNOVATING

EVOHMI reduces troubleshooting time

Thanks to a high level of automation, EVOHMI can reduce the time it takes to find errors, thus improving controls on the process and decreasing downtime.

SIMPLY INNOVATING

Easy to use software

Thanks to its intuitive icons and a user-friendly interface the machine can be supervised by operators at all different skill levels. Unskilled labor considerably decrease labor training costs so that the software can be used anywhere.

IT IS WORTH AUTOMATING

Precise supervision

Companies have realized this for a long time: an effective application of automation to the production process is one of the main methods to increase efficiency over the medium/long term.

EVOHMI records data directly during the production process, restores them in real time and saves them to data storage: in a few words, the software has the ability to

update the parameters based on high quality production runs.

SUPPLY CHAIN ON DEMAND

Learning from history

EVOHMI makes it easier to define the best processes for a high quality production. The recording of data, the total control of the entire supply chain and the fact that there is no need to manually enter data help reduce errors and simplifies mistake detection so that intervention methods can be improved.

EVOHMI is the perfect instrument for those wanting to invest in technology and innovation.

The production steps of welded pipes are monitored according to parameters that have a real effect on the productive chain.

EVOHMI improves productivity, guarantees the quality of products of the whole supply chain and last, but not least, reduces costs, guaranteeing real savings and a quick recovery of the initial investment.



EVOHMI | WHY?

EVOHMI | THE SOFTWARE THAT REVOLUTIONISES YOUR WORK

FROM THE EXPERIENCE OF MTM a production-friendly software

Why choosing EVOHMI? Because it is the result of MTM's thirty years of experience, a leading company manufacturing high-technology plants for the production of welded pipes.

This great experience and the constant investment in research and development has turned MTM into a worldwide leading supplier in the welded pipe field.

COMPANY KNOW-HOW within everyone's reach

MTM has now made available its vast experience in a single software that can simplify and make MTM technologies available to everyone.

EVOHMI changes industrial automation, simplifying set-up while monitoring and improving the quality and precision of the production and the products.

MTM is a leading company in the pipe plant industry and works in the welded pipe market at a global level.

20%Italy30%Europe50%otherCountries

Algeria Australia Austria Belgium Brazil Canada Chile
China Croatia Denmark Egypt France Germany
Greece Guatemala India Italy Japan Malaysia Mexico
Netherlands Norway Poland Portugal Russia Slovakia
Slovenia South Africa Spain Switzerland Thailand
Turkey Great Britain Ukraine United States Venezuela



CLEAR & EASY MANAGEMENT

OF PROCESSING PROFILES

Clear & easy management of processing profiles.

IT must improve and simplify the production process. In order to reach this objective, we have improved the concept of “recipes” — operators select the product and the supervisor retrieves and organizes processing parameters in a clear and efficient way, avoiding duplicates and inconsistencies.

It is also possible to verify and compare the correspondence between plant data and saved processing profiles.





Setting up the saw after changing a product or a blade often causes delays and mechanical problems.

This new intuitive instrument guides the operator through the few steps that bring the machine back to a safe cutting condition. It will then be possible to adjust it in order to optimize times and performance.

GUIDED PROCEDURE

TO SET UP CUTTING PARAMETERS

SIMPLE DIAGNOSTICS

MALFUNCTIONS AND FAILURES ARE UNDER CONTROL AT ANY GIVEN TIME



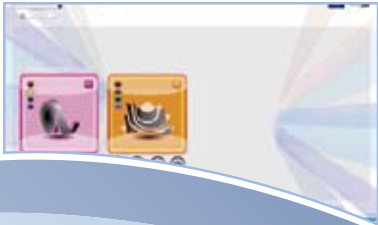
It is easier to detect malfunctions and failures thanks to HMI troubleshooting screen, filtered by section and functional area.



RED SEMAPHORE, SAW ALARM



The parts of the plant have either a central management or one that is distributed on more stations.



The setting can be changed easily if necessary, for example to control the whole line after a PC breakdown or to add a new machine to the existing plant.



MODULARITY

CENTRAL OR PERIPHERAL MANAGEMENT



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