



YEMMAK IQ AUTOMATION SOLUTIONS

There is no room for human-induced cost increases or errors in mass production lines in the new world order. **Industry 4.0**, the digitalization of the industry, is the intersection point of accelerated and flexible production and reduced error rates. **Industry 4.0** contributes greatly to the vision of smart factories with short production cycles for flexible, personalized, and resource-friendly mass production.



This new era promotes the horizontal and vertical communication of production processes, allows process change by enabling equipment communication, emphasizes machine interaction, and offers self-regulating autonomous production systems.



FEED



BY-PRODUCT
PELLETING



BIOMASS
PELLETING



GRAIN HANDLING
& STORAGE



PREMIX AND
CONCENTRATE



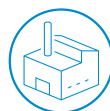
ORGANIC
FERTILIZER
PROCESSING



RENDERING



SOYBEAN
PROCESSING



CHEMICAL

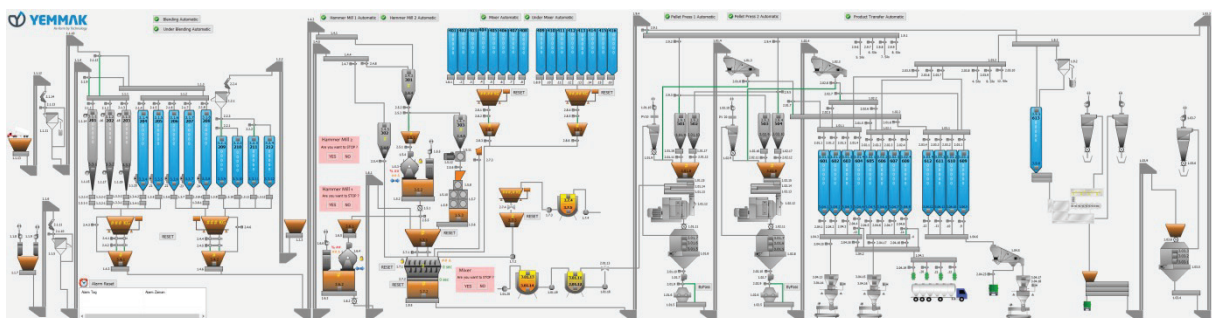
WHAT IS THE MANUFACTURING EXECUTION SYSTEM YEMMAK IQ?

“ Developed by world standards, YEMMAK IQ is a set of integrated systems that manages the entire manufacturing operation between production centers and ERP. ”

YEMMAK IQ oversees manufacturing processes and provides interaction between ERP software and production. It is essentially a set of systems that monitors and controls all production equipment to improve performance and quality. It collects meaningful data from the machines, independent of the operators in the field, and enables focusing on production losses such as breakdowns, equipment settings, downtimes, reductions in operating speed, scraps, and rework. It also helps to foresee and take preventive measures against potential risks.



TAILORED, ADAPTABLE & FLEXIBLE STRUCTURE



With its modular structure, YEMMAK IQ is adaptable and flexible to meet any type of need.



CONTROL YOUR MILL FROM YOUR MOBILE DEVICES

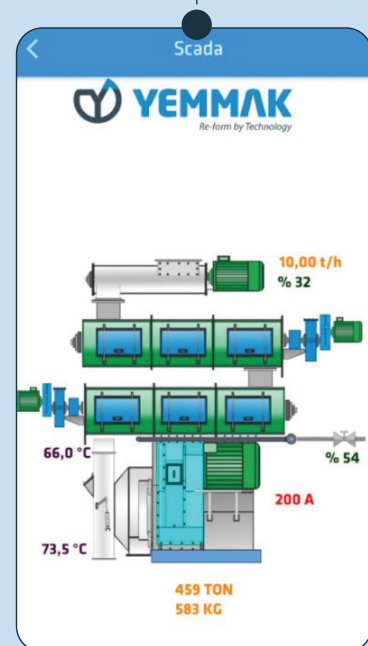
With Yemmak IQ, all the equipment of the factory can be monitored and controlled in a single flow.



With the Yemmak IQ mobile application, you can manage the process automation of your factory through your smartphone, tablet, or computer and generate reports about the entire process. You can take decisions that will help you increase production efficiency and check on your facility wherever and whenever you want.

ABILITIES

- With Yemmak IQ mobile application, operation of all machinery and equipment can be monitored on the flow diagram on PC screen, and operated with start-stop buttons on the PC screen.
- All equipment can be operated with/without lock, switched to maintenance mode, and re-operated with maintainer password.
- Colors of equipment become gray during stop, green during operation, and red during error. Errors of equipment are listed, and continue to be listed until the problem is solved and confirmation is received by the operator.
- Production details (batch, code, prescription etc.) and raw material usage reports can be monitored. Current and voltage values of engines can transiently be monitored, and reports of previous periods can be received.
- Optionally, voltage, current values to be read on the energy analyzer to be used in the system can be transiently monitored, and reports of previous periods can be received.



Available on IOS, Android and Windows 10

INTEGRATION AND HISTORICAL DATA STORAGE

Historical production data can be accessed quickly when needed.

The system provides interaction between ERP Systems and production lines and allows data control anytime, anywhere. It ensures that data is securely recorded and reported. Retmes Integration Module is compatible with the integration technologies of leading ERP systems (SAP, Oracle, Microsoft, NETSIS, LOGO, etc.).

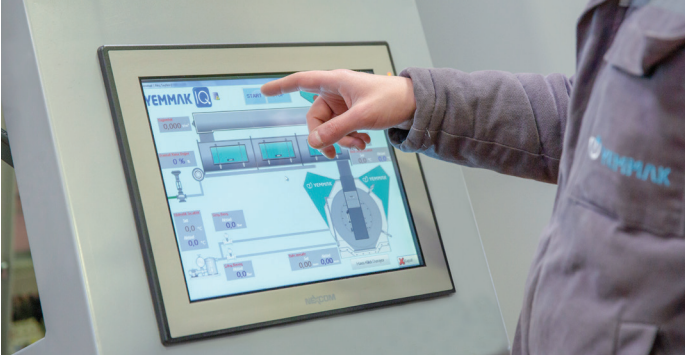
SENSORS AND CONTROL SYSTEMS

Process controls are automated by collecting data from peripheral units on the production line such as Kiosks, HMIs, PLCs, and sensors. It provides fully automated control by programming the control devices to the machine set values created according to the work order.

DATA COLLECTION SERVICES

YEMMAK IQ offers data collection and control services compatible with the leading PLC and HMI brands. Production data is stored on a variation basis. In other words, unnecessary data traffic is prevented by saving only values that deviate from the set tolerances. Data can be accessed within milliseconds with the special algorithms we have developed.

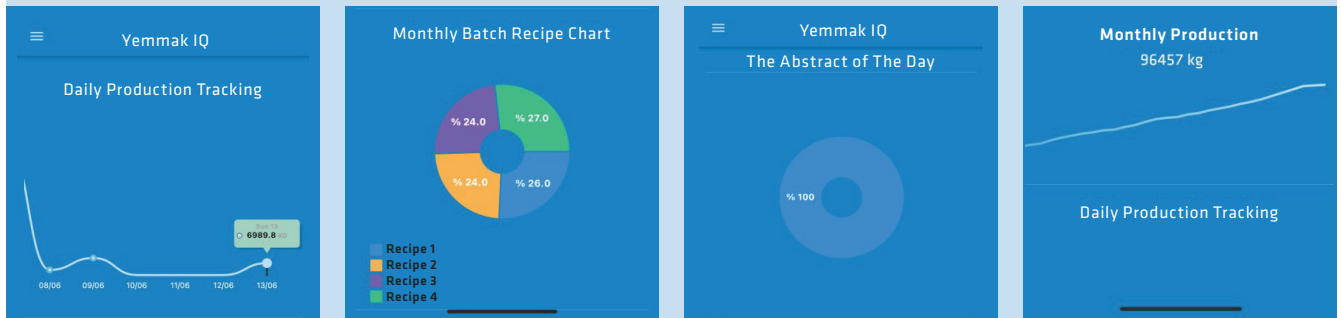
INTERNET OF THINGS (IOT)



Even if your production processes change, the system adapts the learned data to the new situation and ensures optimum results as soon as possible.

YEMMAK IQ CLOUD

“The collected data is stored securely and can be accessed from any device with an internet connection.”



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