



# KOMAX CLOUD MES



**komax**

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Komax Cloud MES (manufacturing execution system) is tailored specifically for the wire cutting room. It offers an easy to operate and cost-effective solution for the smart transfer of production data, supplied in simple Excel files, to the cutting machines, and for maintaining full control of the production process. Small and medium-sized companies (SMEs) in particular can use the customized MES system to achieve the same efficiency gains that have long since been successfully realized in large companies. As it only requires a small initial investment and minimal organizational effort, the risk involved is minimal and, accordingly, the barriers to entry are also low.

### Top quality MES with no financial risk

No investment to tie up your capital. For a monthly license fee, you get full access to a professional and powerful MES. Upgrades and support are included in the fee.

### Low IT costs

No additional costs for IT services, data backup or servers. The system is hosted in a secure cloud (Microsoft Azure technology). A high level of data security and system availability is always guaranteed.

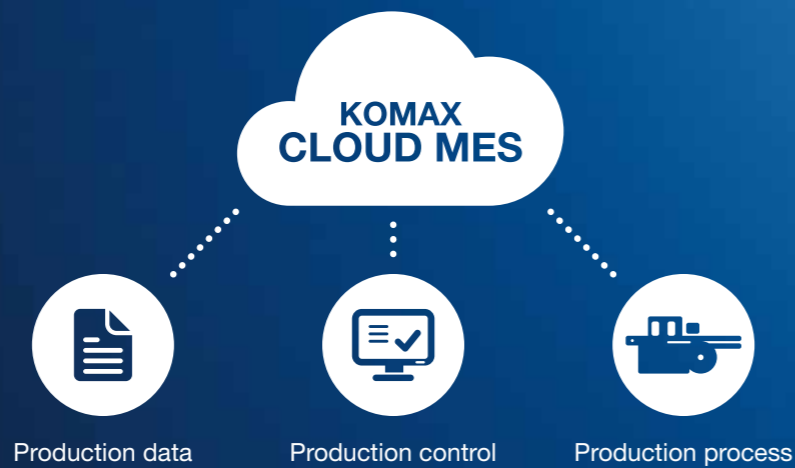
### Professional production management

Komax Cloud MES shows all production data in real time and therefore provides a high degree of transparency. The system supplies the machines with all production data, so manual entry is no longer necessary.

### Fully scalable according to your needs

You can extend the MES with a range of additional modules, such as OEE, tool management, label printing, etc. Or you can even upgrade to the "on premises Komax MES", as both systems are 100% identical and therefore 100% compatible.

# CLOUD-BASED MANUFACTURING EXECUTION SYSTEM FOR THE WIRE PROCESSING INDUSTRY 4.0





# MES BENEFITS AT A GLANCE



## TRANSPARENCY

Perfect overview of current production – display of machine status – OEE analysis for continuous process improvement.

## TOOL MANAGEMENT

The tool database enables the management and planning of tools to achieve maximum quality. Maintenance management (optional).

## STANDARDIZED DATA INTERFACE

Transfer of all data in simple CSV files. Visualization of the data in the Office Client.

## TRACEABILITY

Full production history to guarantee traceability.

## PRODUCTION SCENARIOS

See what happens if something happens: a resource breakdown or urgent new customer order. Thanks to the simulation of various scenarios, the consequences can be seen immediately.

## PRODUCTION PLANNING

Maximum productivity thanks to planning with optimized setup times – the number of rejects is reduced.

## QUALITY IMPROVEMENT

No more manual entry on the machine, defined work processes, storage of all quality-related measurements.

## MASTER DATA AND CRIMP DATA MANAGEMENT

The same production and crimp data on every machine thanks to a central MES database. Automatic verification of data completeness.

## YOUR DATA IS SAFE IN OUR CLOUD

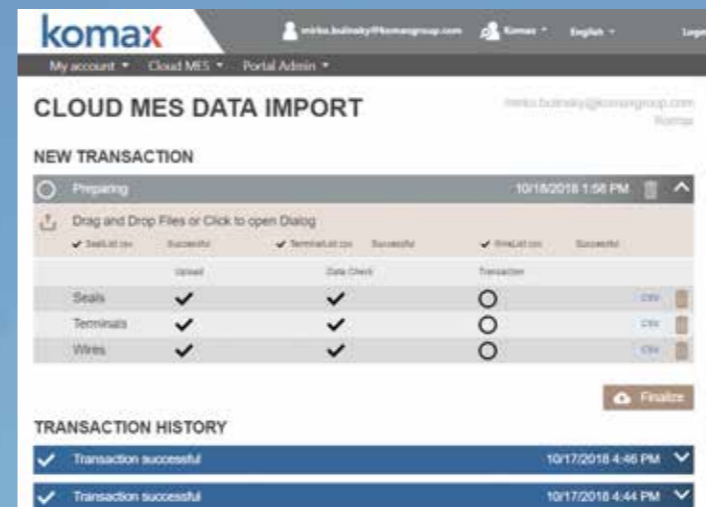
- Secure access to the platform using two-factor authentication
- Integrated access and permissions management
- Customer's central security guidelines are transferred (AAD Federation)
- Encrypted data transmission via HTTPS
- MES platform based on the Azure Security Framework
- Strict separation of customer data thanks to application-level data isolation
- Regular security and system updates



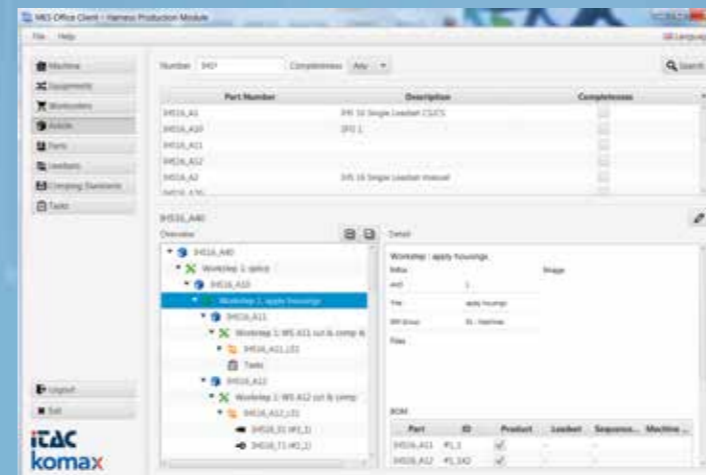


## KOMAX CLOUD MES – DEVELOPED BY THE INDUSTRY LEADERS

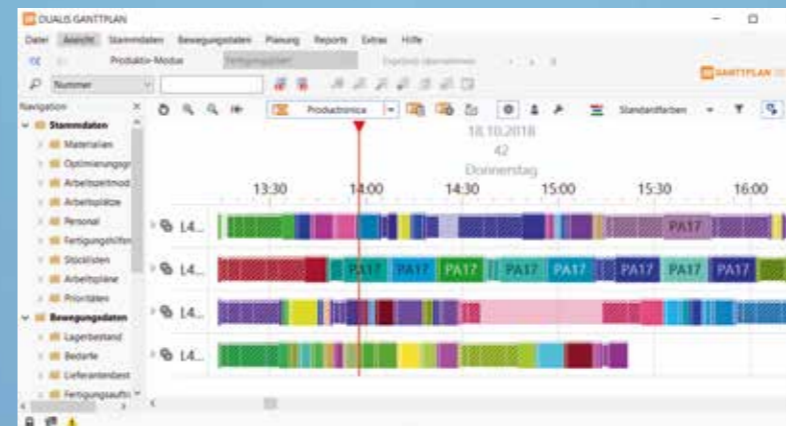
Komax Cloud MES is developed by the global leader in the wire processing industry, Komax, in collaboration with iTAC Software. By combining the expertise of these two leading companies, Komax Cloud MES precisely fulfills the requirements of the wire processing industry.



1. Upload production data



2. Check production data



3. Plan production



4. Start production

## HERE'S HOW EASY IT IS TO MANAGE YOUR MACHINERY

### 1. Upload production data

Parts, articles, crimp data, orders – everything that you need to produce a customer order.

### 2. Check production data

Check the data for completeness and consistency in the office client. Define your machinery pool with the capabilities of all your machines.

### 3. Plan production

The Gantt chart finds a machine for you that is able to produce the order and proposes a production plan that meets the specified delivery times and minimizes setup costs and rejects.

### 4. Start production

The machine client guides the operator through the production process and provides feedback about the ongoing production.

## Komax – leading the field now and in the future

As a pioneer and market leader in automated wire processing, Komax provides its customers with innovative solutions. Komax manufactures series and customer-specific machinery, catering to every degree of automation and customization. Its range of quality tools, test systems, and intelligent software and networking solutions complete the portfolio, and ensure safe, flexible, and efficient production.

Komax is a globally active Swiss company with highly qualified employees and development and production facilities on several continents. It provides local support to customers worldwide through its unique sales and service network and offers services that help them get the most out of their investments.

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