MIKO
software & networking
MANUFACTURING INTERFACE KOMAX – MIKO – is the forward-looking interface for data exchange between the wire processing machine and the MES system. Thanks to its interconnectivity and networking with real-time information, it enables significant improvement in the productivity and quality of production. In the context of Industry 4.0, MIKO maximizes process quality, ensures absolute traceability and enhances the performance of your machinery.

**Enhanced process quality**
- Makes the most of productivity and quality, thanks to seamless integration of the machine into the MES system
- Implements all customer-specific production workflows
- Prevents manual data entry errors

**Comprehensive documentation of quality**
- Guarantees traceability of the production process
- Provides quality data for the optimization of each process step
- Records all quality measurements

**Greater efficiency of machinery**
- Increases output volume through the parameter specifications of the process and performance
- Improves the Overall Equipment Effectiveness

MIKO is the real-time data interface between MES and the wire processing machines.

**SHOP FLOOR OPTIMALLY NETWORKED WITH THE MES**
Intelligent data exchange
MIKO enables unrestricted communication between the ME system and the machine with real-time data. At the same time, it implements any customer-specific production workflows. This seamless integration allows the highest productivity and quality, and significantly improves performance.

More efficient use of machinery
MIKO provides all production data for every production line. This data forms the basis for OEE (Overall Equipment Effectiveness) analysis. Thanks to this, processes and machine capacity are continuously optimized. This minimizes scrap and allows the best possible quality. The result is more productive use of machinery overall.

Interface for greater process security
MIKO spans the ‘final mile’ in the communication between the ME system and the machine. It integrates this perfectly for the implementation of any customized production flow – for optimal process security without manual entry.

Comprehensive documentation of quality
Production progress and quality can be tracked with MIKO in real time. The interface provides all production and quality data, which allows documentation and complete traceability for quality and OEE purposes.

The interface for Industry 4.0
Control of production with ERP and MES systems is essential in order to survive in today’s market. The real-time information required for powerful networking of this sort is provided by the MIKO interface.

Data exchange between machines and MES

- Master data: parts and articles
- Transaction data: orders
- Quality data: CFA+, crimp height, pull-out force

Process data:
wire draw-in speed, swivel speed

- Technology and process data
- Item counter, material consumption
- Crimp process results

Production data:
orders, parts and articles
Komax – leading the field now and in the future

As a pioneer and market leader in the field of automated wire processing, Komax provides its customers with innovative and sustainable solutions for any situation that calls for precise contact connections. Komax manufactures series and customer-specific machinery for various industries, catering for every degree of automation and customization. Its range of quality tools, test systems, and intelligent networking solutions complete the portfolio, and ensure safe and efficient production. Komax is a globally active Swiss company with development and production facilities on several continents. It supports customers locally in more than 60 countries with its extensive distribution and service network, ensuring the availability and value of their investments after equipment commissioning through standardized service processes. Komax includes more than 30 companies worldwide and employs around 1700 members of staff.

Market segments

Komax offers outstanding competence and solutions for various areas of application and draws on them to generate the desired value-added for the entire process and optimize economic efficiency in line with customer requirements. The main markets of Komax are as follows: automotive, aerospace, industrial and telecom & datacom. With this breadth of experience, customers obtain expert knowledge for process optimization and access to the latest technologies.