

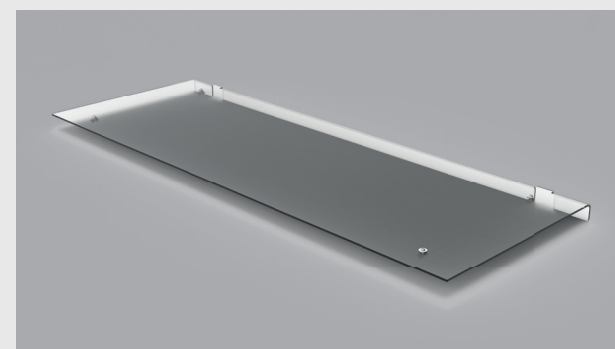
LAMBDA X



komax



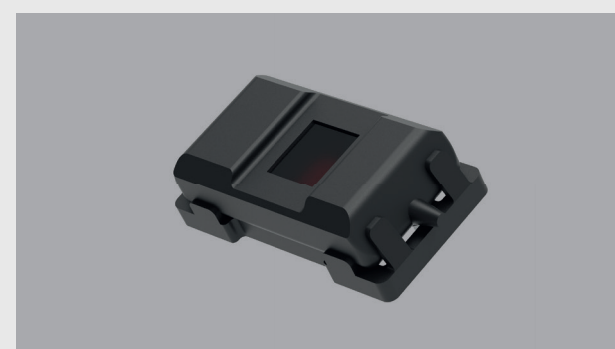
Optionally a movable and tiltable control unit can be installed in front of the machine which can be moved manually over the entire process level.



To protect the machine from dirt and dust a machine cover can be selected.



To read in batches and consumables the option for a barcode scanner is available.



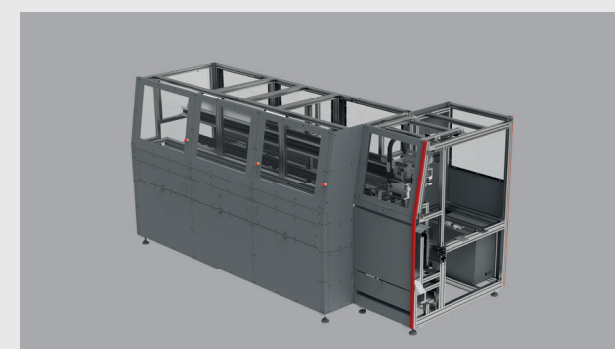
For managing the user rights an additional fingerprint scanner can be installed.



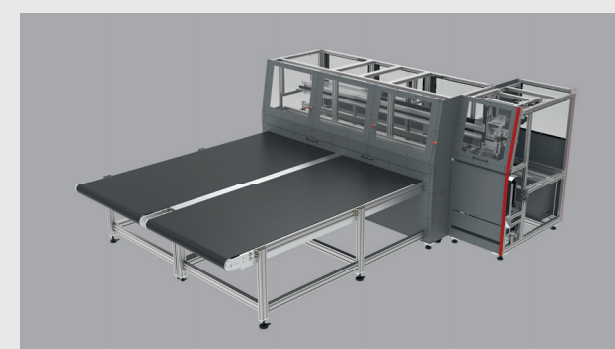
With the function manual wire insertion, it is possible to insert the cables one sided or both sided. Additionally, wires can be inserted already pre-assembled on one side.



To increase the autonomy of the machine a fully automatic wire feed system can be integrated to reach maximum productivity.



In addition to the cable slide a deposition system can be configured which separates bad parts from good parts and extracts them in batches. The assembled cables can then be removed by hand. The side of extraction of good parts can be selected front or rear.



For maximum autonomy a fully automatic deposit system with conveyor belt can be integrated. The side of extraction of good parts can be selected in front or rear.

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 to 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. Komax uses its extensive distribution and service network, which includes local companies and their employees, to support customers across the world on site, thus ensuring the availability and value of their investments after equipment commissioning through standardized service processes.

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.



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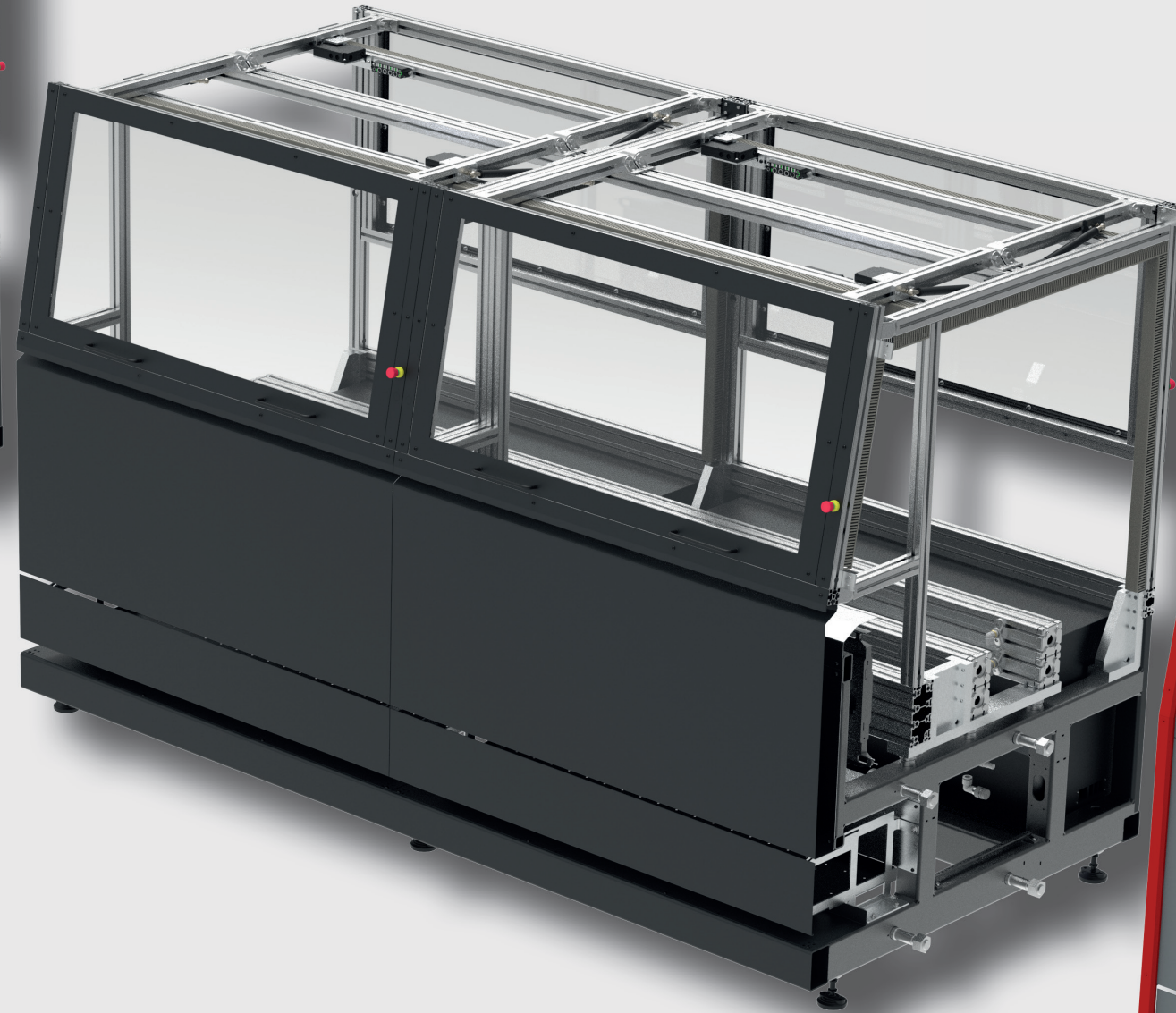
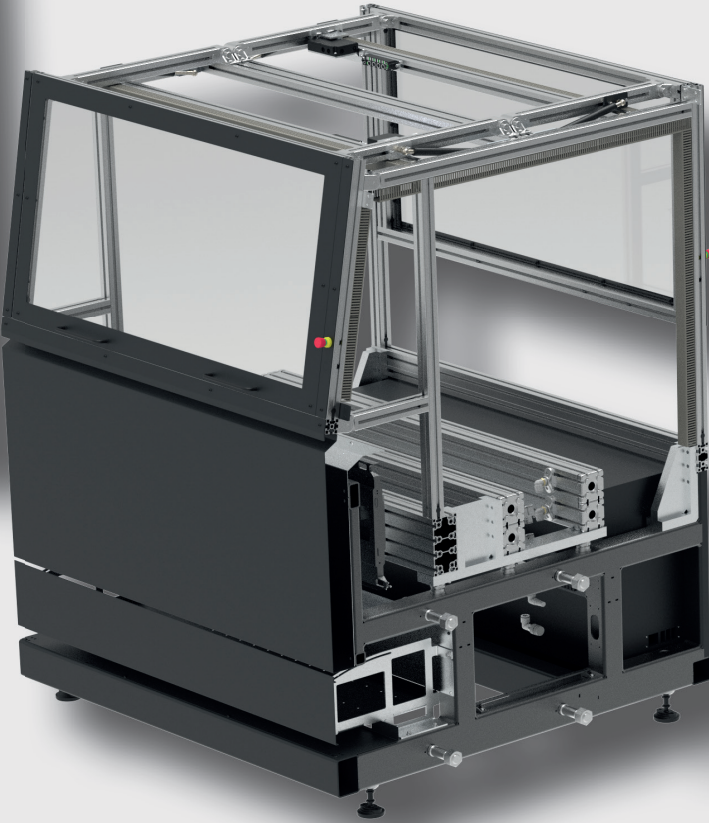
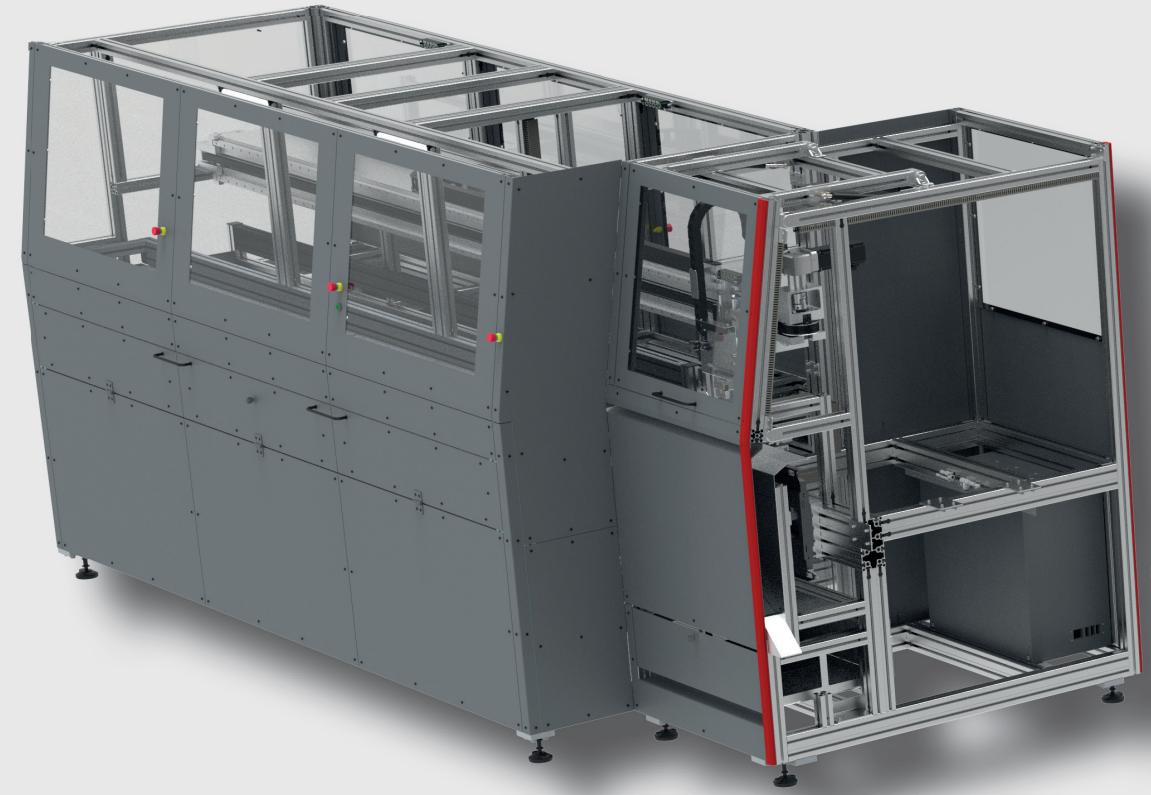
The LambdaX is a modular machine base for semi- and fully automatic assembly of multistage contact systems. The modular structure of the machine in terms of hardware, machine control and visualization enables an efficient and intuitive operation. The process modules are freely configurable and can be lined up regarding the assembly requirements of different connector systems and wire types. Due to the modularity of the platform the degree of automation can be increased on site in case of higher production volumes (e.g., upgrade of manual insertion to fully automatic wirefeed).

Basic modules

- Supply cell
- Process cell 1.5 m
- Process cell 3.0 m
- Deposition

Applications

- Automotive Ethernet
- Coaxial connector systems
- High Speed Data
- High Voltage up to Ø 5 mm



FULLY AUTOMATIC ASSEMBLY OF DATA WIRE

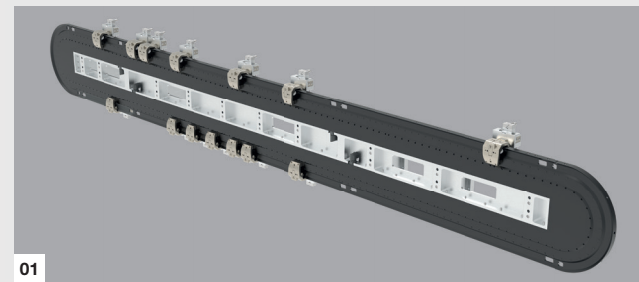
Digital Services

Komax Connect (Visualizer)

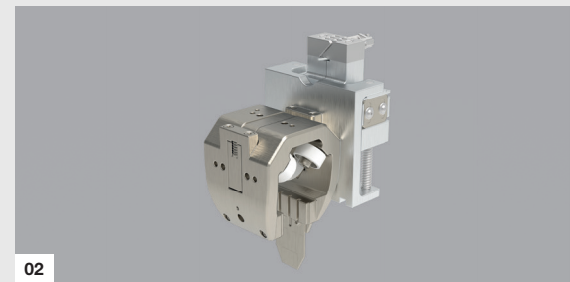
- Real-time processing of production data
- Visualization in clear graphics
- Report generation with relevant statistics

MES Lambda Interface Plugin

- Connection to internal production management systems
- Improving traceability
- Increase quality through continuous process improvement



01



02

01
Transfer system
02
Workpiece carrier

Exemplary machine LambdaX (without modules): Supply cell, 1,5 m process cell, 3,0 m process cell, batch deposit with manual removal

Your benefits

- Minimal space requirement thanks to innovative transfer system
- Possibility to increase the automation level during ramp-up
- Freely scalable process level due to modular structure
- Increase of production volume
- Processing of extremely short wire lengths up to 90 mm
- Minimal cycle times up to 4.5 s
- Low production costs thanks to innovative transfer system
- Easy functional extension
- Outstanding and process stable processing thanks to welded frame
- Fast change of production due to simple and configurable jobs
- Less training efforts thanks to modularity
- Integrated job management with included statistics and capability analysis
- User management for managing user rights
- Less warehouse costs because of standardized structure



03



04

03
Quality overview
04
Movable control unit