



LAMBDA X 712



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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).

PROCESSING OF AUTOMOTIVE ETHERNET



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

Process modules

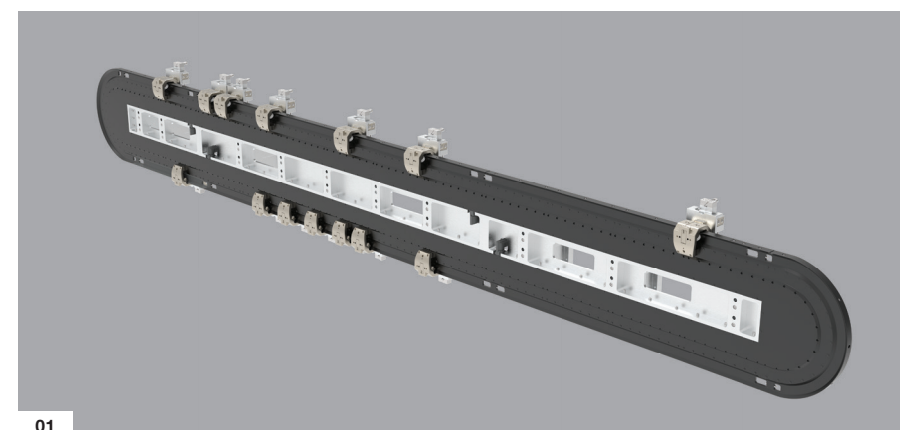
- Optical control module (orientation)
- Orientation module
- Stripping module
- Crimping module support sleeve
- Stripping module
- Shield processing module
- Stripping module
- Pull-off module
- Wire spreading module
- Stripping module
- Crimping module inner terminal
- Cable alignment module
- Brushing module
- Tactile measurement module
- Optical control module (foil rest)
- Cable alignment module
- Crimping module outer terminal
- Optical control module (interface)

Technical data

Dimensions L x W x H	10150 x 2850 x 2000 mm
Weight	approx. 4750 kg
Power supply	3 ~ 400 VAC/50 Hz
Output	Nominal power: 3400 V Maximum power: 4700 VA
Air supply	6 ± 1 bar; oil free, dry and clean air
Air consumption	approx. 800 l/min
Sound pressure level	approx. 78 dB (mean value) 86 dB (max.)
Cycle time	~ 4.5 sec.
Connector system	H-MTD-male, H-MTD-female



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- 01 Transfer segment
- 02 Movable control unit
- 03 Quality overview

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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