

KIESLING

We automate the panel building.

Athex terminal block assembly machine



MACHINING

ASSEMBLY

WIRING

HANDLING

FRIEDHELM LOH GROUP



Automation in enclosure assembly

Athex terminal block assembly machine

Focus:

The Athex assembly machine is the flexible, universal solution for automated production of terminal blocks in controlgear manufacturing.

Machining operations:

The Athex configures and prints terminal blocks according to a CAD template or manual configuration on the support rail. The terminal magazines may be exchanged and refilled with the system operational, and can accommodate different terminal types from all well-known manufacturers. During assembly, they may optionally be labelled with an inkjet printer.

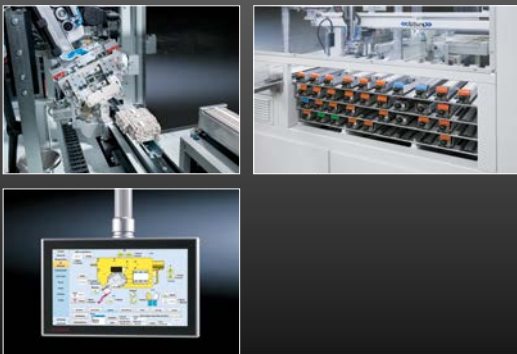
Flexibility:

The use of different terminal types and magazines leads to enhanced productivity. Idle time and waiting time are minimised, and throughput times are reduced.

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User benefits

- Process automation for quantities of 1 or more
- Consistent quality, thanks to fully automated process
- Flexible process management, thanks to universal applications and manufacturer-independent terminal processing
- Uncomplicated connection to third-party systems/software for importing existing terminal block data
- Optimum accessibility across the entire workspace
- Simple installation options for extensions in the terminal magazine
- Saves manpower thanks to process automation



Equipment

- Assembly arm for manufacturer-independent machining of terminals in the following sizes:

Terminal width	40 – 110 mm
Terminal height	5 – 80 mm
Terminal thickness	3.5 – 12 mm
- Up to a max. of 40 terminal magazines on 4 levels
- Machining of support rails from a length of 100 mm
- System-independent XML data import, including data from EPLAN Pro Panel

Technical specifications

- Machine dimensions (W x H x D):
1,600 x 2,200 x 2,300 mm
- Weight (excluding terminal magazines): 1,400 kg
- Connected load:
3 x 400 VAC + N + PE; 8 kW (incl. Cutex)
- Air pressure:
6 – 10 bar, dry and uncoiled
- Air consumption:
approx. 40 l/min (at full load, incl. Cutex)
- Network connection:
Ethernet RJ45

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