

KIESLING

We automate the panel building.

Averex wiring centres



MACHINING

ASSEMBLY

WIRING

HANDLING

FRIEDHELM LOH GROUP



Automation in enclosure assembly

Averex wiring centres

Focus:

Averex wiring centres were developed specifically for the fully automated wiring of mounting plates in controlgear manufacturing.

Machining operations:

The Averex cuts the wire to the correct length, strips the insulation, crimps it with wire end ferrules, runs the wire through the cable ducts, and connects it to the components on the support rail.

Flexibility:

The wiring centre supports most standard mounting plates, components and wires used in controlgear manufacturing. A laser scanning function records and automatically corrects assembly tolerances.

Profitability:

With an automated capacity of 300 wires on a mounting plate, the Averex can reduce the amount of manpower required per enclosure by up to 15 hours (compared with purely manual activity). With work speeds of up to 4 times faster, the entire throughput time is also reduced by up to 11 hours.

Article number: 4050.600

Hardware

- Possible plate sizes 2,100 x 1,200 mm
- Patented 270° rotating machine head with cable routing, cutting, insulation stripping and crimping unit plus torque-regulated screw fastening and a tool changer with space for six tools, log report on all connections and attachments, securing to screw connections and push-in connections
- Laser scanning of components
- Cables from 0.5 mm² to 2.5 mm²
- Automatic wire change with space for up to 16 different wires
- Automatic wire labelling



Software

- Intuitive, graphics-based control software with its own routing module
- Software interface to EPLAN Pro Panel, allowing the planned layout and pre-routed data to be read directly. This reduces the amount of work involved in operating the machine



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