

ZETA 630

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With the Zeta 630, control cabinet construction becomes an efficient, just-in-time activity. Wire processing is highly productive from a batch of 1 thanks to the economical automation process. Automated processes plus batch or sequence production without changeover shorten the manufacturing time by up to 50 percent. The automatic wire selector provides up to 36 different cables and the CM 1/5 GS module processes as many as five different ferrules. Reliable fully automatic production assures consistent high quality.

Efficient automation process

- Manufacturing time reduced by up to 50%
- End-to-end data flow from ECAD to the machine
- Efficient just-in-time production from a batch of 1 and up
- Wiring simplified by optimum wire deposit

High productivity

- Batch or sequence production without changeovers
- Automatic wire selector with up to 36 different cables
- Automated marking of cable with inkjet marking
- Processing of five different ferrules with one CM 1/5 GS module

Reliable processing of maximum quality

- Large cross section range: 0.22 mm² to 6 mm²
- Modules and components of premium quality
- Consistently high quality thanks to fully automatic production

▶ Absolutely precise processing thanks to special cutting head and trimming unit.

ECONOMICAL AUTOMATION OF CONTROL CABINET CONSTRUCTION

HIGH PRODUCTIVITY FROM A BATCH OF 1 AND UP

Required time reduced by up to 50 percent

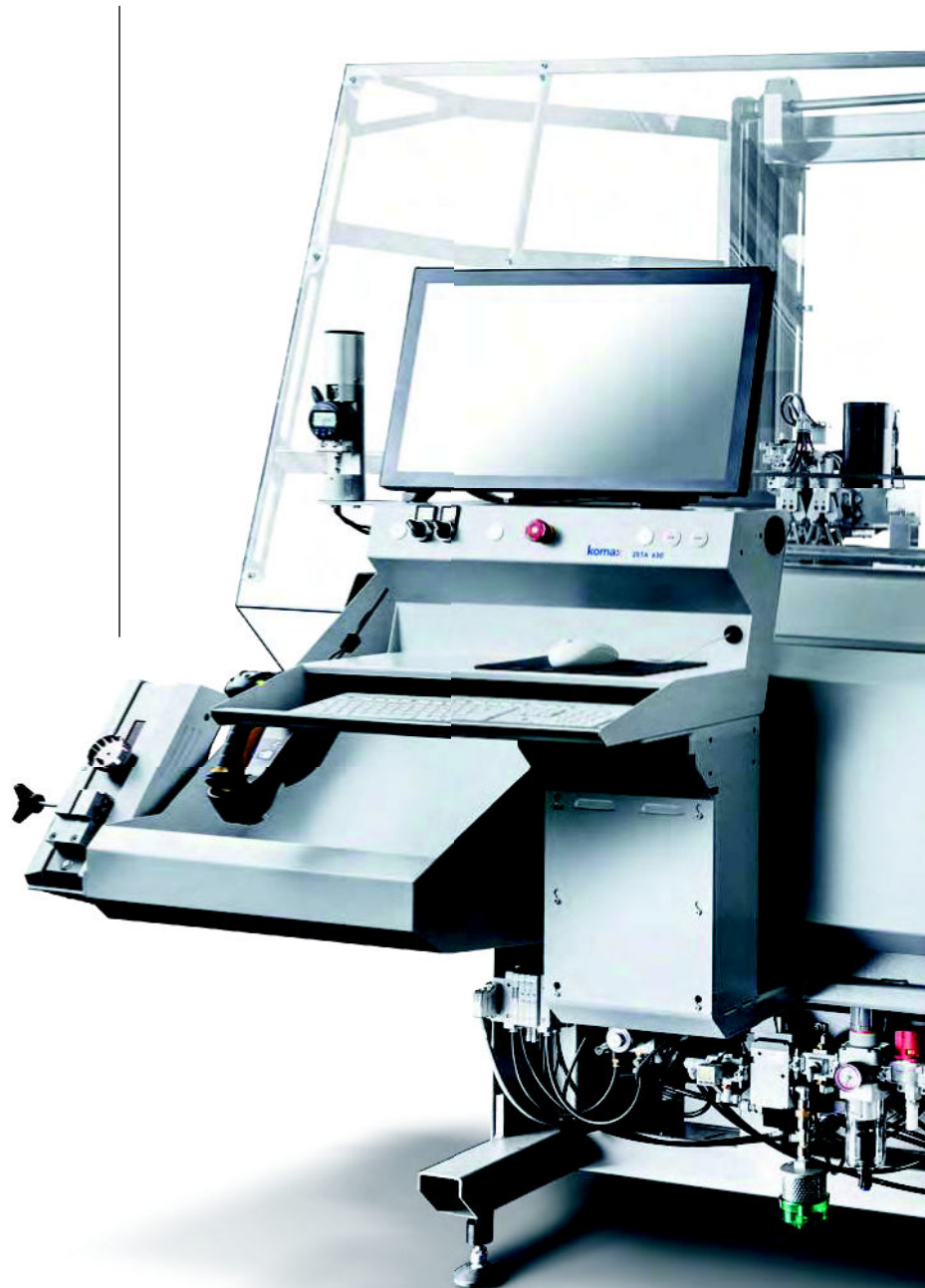
Manual processes take time. The Zeta 630 reduces manual work to a minimum. It processes all required cables automatically and provides them fully equipped in the correct order and length – complete with marking and terminals. The only remaining step is to lay the cables in the control cabinet. Manual processes such as cutting to length, stripping, marking and sleeve attachment are all eliminated.

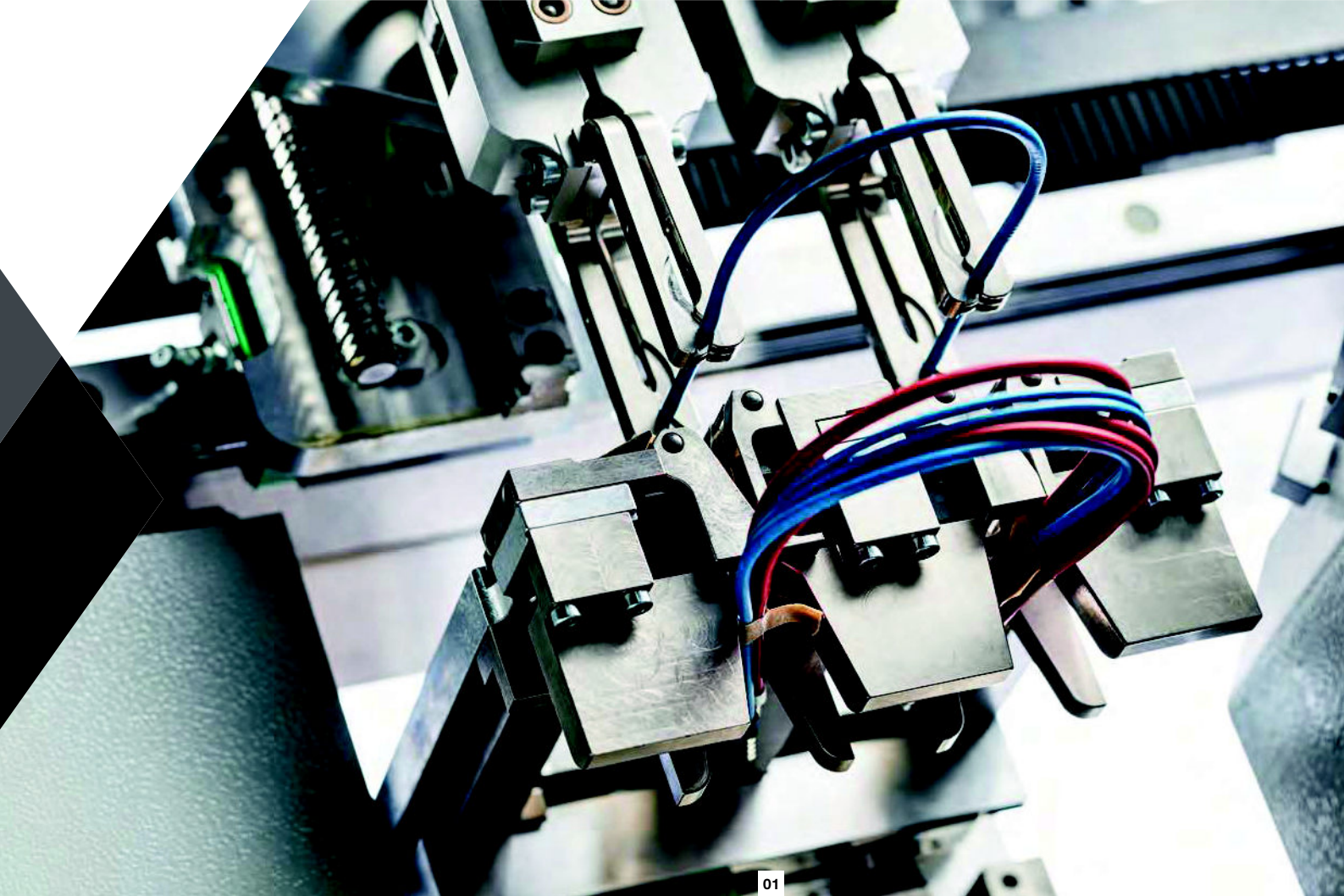
End-to-end data flow from ECAD to the machine

Production data can be sent over the Komax interface WPCS from specific ECAD systems directly to the machine. Data can also be exported from the ECAD systems in a cut list. It is converted to readable data and imported. That eliminates the need for manually programming articles in the machine. This approach is highly efficient with batches of any size – even with a batch of 1.

Consistently high quality thanks to automation

Fully automatic production assures reproducible, continuous quality. Automated data transfer eliminates error sources because no manual entries are required to be made on the machine. Optional quality monitoring modules are available to meet the most exacting requirements.





01

01
The flex bundler sorts and binds the batches in a single process step.

02

02
Up to 36 different cables from the entire cross section range are available in the wire selector.



Wiring simplified by fully tried-and-tested deposit

Cables can be produced, sorted and bound in one process step in ideal order for subsequent wiring. The fully automatic flex bundler wire deposit simplifies and accelerates the laying of cables in the control cabinet. The batches can be taken out while production is going on. The binding method can be defined as desired for each cable depending on the production mode (batch or sequence processing).

Reliable sequence processing

Thanks to the special cutting head featuring three pairs of blades, cross sections from 0.22 mm² to 6 mm² can be processed perfectly in sequence. The top-quality, durable blades and components enable high processing speeds, which reduces throughput times accordingly.

Required materials available at any time

Control cabinet construction involves diverse variations that require many different types of materials such as wire types, terminals or ferrules. They are all available on the Zeta 630 without changeover. Up to 36 different cables from the entire cross section range are provided in the automatic wire selector. The automated marking system labels the cables in an optimum manner and the ferrule module subsequently fits them with up to five different terminals.

03

With the unique CM 1/5 GS, up to five different ferrules can be processed with a single module.

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