

Cost effective production with high quality standards!

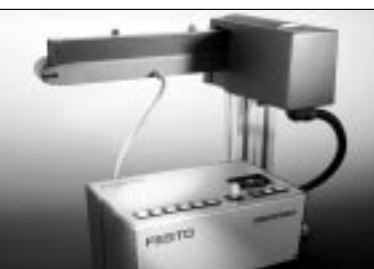
The Identbox meets the challenge

It goes without saying that innovative products, market oriented prices and exceptional quality have long since been the requirements of our customers. Furthermore, customised solutions with short leadtimes are also becoming ever more important.

Kirsten AG, manufacturer of insulation strippers and crimping machines using tools to crimp belt feeders and loose plug-in contacts, places high demands on quality and throughput.



The Parts...



The Identbox...



The System...

Flexibility for future requirements:

Modern testing and inspection equipment is almost a necessity for meeting today's demands for the efficient and reliable processing of many varied parts.

The fabrication of special cables still requires a great deal of manual labour and is thus time consuming and cost intensive.

The relatively simple processes afforded by automated crimping systems present a rational solution. Through the use of special tools, these systems allow individual operations including insulation stripping, contact plugging and crimping to be carried out using a single device. A wide variety of crimp contacts can be processed by means of tool changeovers.

But the processing of various crimp contacts necessitates flexible feeding possibilities

And that's why Kirsten AG chose to equip their system with an economical and easy to integrate standard system – the Festo Identbox.

Intelligent manufacturing – quality products

In order to maintain an optimised and clearly arranged process, quality inspection also had to be integrated into the production process.

The Identbox makes a considerable contribution to the efficiency of the system because it only feeds correctly positioned, quality inspected parts to the automatic crimper. Incorrectly positioned and defective parts are ejected with compressed air.

Time is money in today's world

The Identbox reduces costs:

- Electronic component type memory permits tool changeovers at the press of a button
- New components can be added via the teach-in function in a matter of seconds without additional programming
- Integrated quality control reduces downtime to a minimum
- The modular system concept with its clearly defined interfaces allows for simple integration into existing systems
- Accurate inspection results are assured by a line scanning camera which is insensitive to interference light
- An industry compatible, compact design provides for long service life and maintenance-free operation

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The Festo Checkbox in practical application: Top quality through reliable inspection



Kirsten AG, CH-Welschenrohr

Positionally accurate feeding and quality inspection of crimp contacts

The Tasks

- Feeding of crimp contacts to automatic crimping equipment
- Flexible positioning recognition for 8 types of crimp contacts
- 100% reliable type identification
- Ejection of defective parts

The Solution

- Festo Identbox – standard unit:
- Integration into a compact system design
 - Delivery of tested, correctly positioned parts to the crimping tool by means of a hose
 - System can be retooled in seconds thanks to electronic memorising of components

The Benefits

- Time and cost savings thanks to automatic tool changeover
- Sorting of defective or incorrectly positioned parts
- No jamming due to incorrect parts
- Consistently high product quality thanks to integrated quality control
- Increased machine availability