

CUSTOM MADE WIRE SET PRODUCTION FOR CONTROL CABINET MANUFACTURING

COMPLEXITY REDUCTION THANKS TO A COMPLETE SOLUTION PACKAGE





WIRE SET PRODUCTION IN THE DIGITAL ERA

In the industrial era 4.0, control cabinet construction demands customized solutions, short delivery times, maximum flexibility and consistently high quality. Due to a shortage of skilled workers as well as manual and time-intensive work processes, however, the requirements can hardly be met.

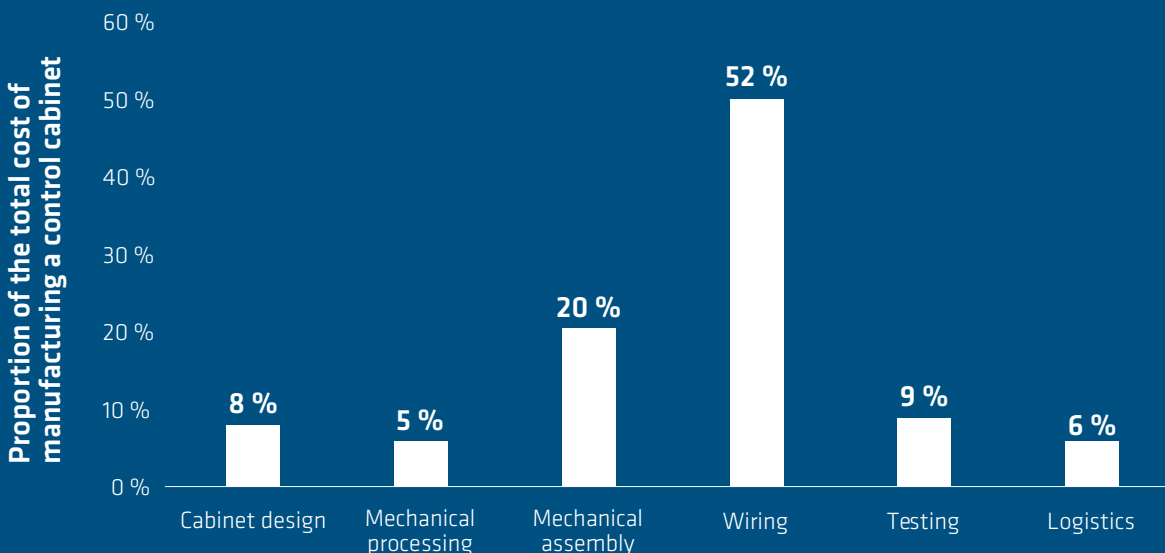
„A circuit diagram has an average of 400 pages that have to be flipped through several times during wiring.“

Complexity meets HIKwire - with HIKwire, we offer customers from various industries digitalized, fully automated wire set production. Here, all process-relevant steps are digitized, thus ensuring a continuous data flow: From design to inquiry to series production. Your added value: A significantly more time- and cost-efficient overall process in the wiring of your control cabinet with improved competitiveness and maximum economic efficiency.

„The savings potential through preassembled wire sets including labeling is up to 50 %.“



THE FACTS SUPPORT HIKwire THE PROOF





MANUAL WAS YESTERDAY THE ADVANTAGES OF PREASSEMBLED WIRE SETS

80 % time savings along the value chain

Thanks to the automation of all processing steps, such as cutting to length, stripping, labeling, crimping, etc., ready-to-plug-in wire sets can be wired directly without time-consuming reading of the circuit diagram. This reduces internal assembly work to a minimum, speeds up logistics and reduces the risk of errors.

Reduction of overhead costs and optimization of planning

The entire process is simplified, from article creation and release, procurement, placement, picking, work preparation, and production to inspection. The ability to plan increases. Overhead costs are reduced. Competitiveness increases.

Significantly more control cabinets with the same capacity

The use of our automatically produced wire sets results in time savings in your production. Manual assembly is no longer necessary, which helps you to counteract the current shortage of skilled workers in the electrical industry. Freed capacities can be used for activities with higher added value.

Increased speed in the overall process

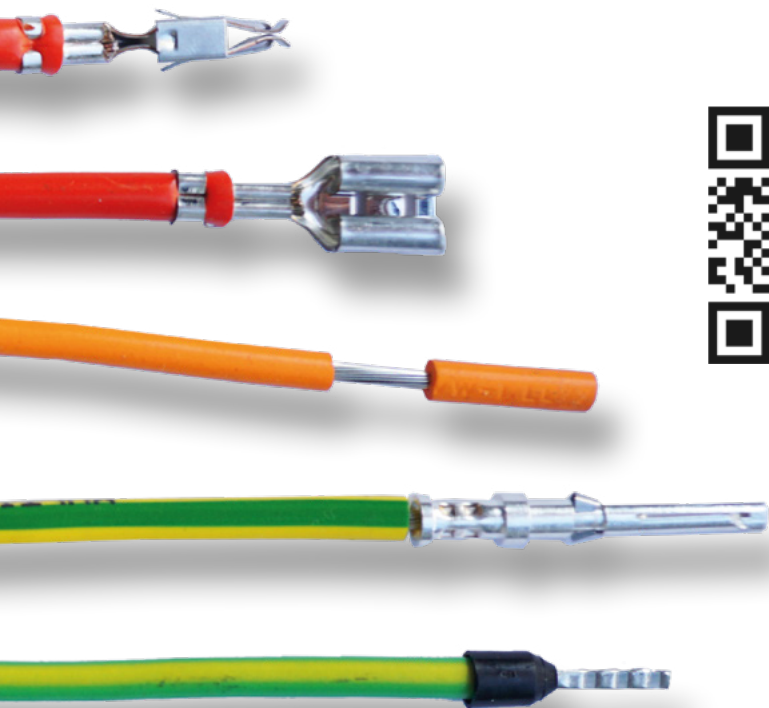
From construction, master data maintenance, supplier selection, and procurement to work preparation, production, and quality control, the entire order throughput time in your control cabinet manufacturing is reduced. Decisive time and logistics savings with a corresponding increase in productivity can be achieved thanks to the elimination of manual work steps, intermediate storage and transport.

Continuous high quality thanks to automation

The continuous data transfer minimizes sources of error, as no manual inputs are required at the machine. Fully automatic production guarantees reproducible, continuously high quality. Crimp height and pull-out force measurement are integrated.

Complexity reduction thanks to a complete solution package

From plausibility checks, design, procurement, storage, order preparation, manufacturing, quality control to delivery, HIK is your one-stop shop. The advantages: Time savings, reduction of process costs (overheads), storage locations, order and picking items.



TO THE HIKwire
CONFIGURATOR



NOW IT IS DIGITAL

THE ADVANTAGES OF AUTOMATED WIRE SET PRODUCTION

Time savings thanks to production-oriented bundling routines

Perfect wire bundles for manufacturing are delivered sequentially in the correct order by bundling the wires.

Professional appearance thanks to sorting

Sorted bundling of the wire sets creates a tidy and clear appearance in the wiring channel.

Cost optimization thanks to ultrasonic compaction

Ultrasonically compacted copper wires combine the properties of a rigid wire with the advantages of flexible wires. The manufacturing process results in a further cost saving of around 15 %.

Faster wiring thanks to wire assemblies with individual labeling

For easier and faster wiring, required information such as start and destination points can be printed on the individual wires. Reading the circuit diagram is no longer necessary.

Competitive advantage thanks to single wire marking

Due to the (fully) automatic production process, all wires are individually labeled according to the desired specifications.

Perfect results thanks to wire end treatment of the highest quality

Automated cutting to length, stripping and crimping produce perfect results in the shortest possible time.

Correct bundling thanks to automatic chain formation

Our intelligent chain calculation automatically bundles all inter-linked wires sequentially in the correct order and, if necessary, provides them with double ferrules.

IN A FEW CLICKS TO THE PERFECT WIRE SET

HOW THE FREE HIKWIRE CONFIGURATOR WORKS

With the HIKwire configurator, you can experience the advantages of digital and contemporary control cabinet construction in no time. Now you can configure individual wire sets yourself. With our free online configurator, we enable you to automatically generate a quotation with a direct ordering function.



01
Registration



02
Online configuration of the wire set by data input or data upload



03
Immediate automated plausibility check and quotation generation



04
Direct order and delivery within seven days



05
Data storage for repeat orders and adjustments



THE FUTURE OF CONTROL CABINET CONSTRUCTION STARTS NOW REACH YOUR GOAL FASTER WITH PREASSEMBLED WIRE SETS

01

Easy procurement

Configure your individual wire sets with our time- and location-independent HIKwire online configurator. Automatic plausibility checks and quotation generation save you valuable time and thus shorten complex internal article creation and procurement processes.

02

Cost-effective storage

Reduce the necessary storage locations and picking processes of components as well as tools and save logistics costs.

05

Faster order processing

Shorten your delivery times and increase your planning reliability and efficiency.

04

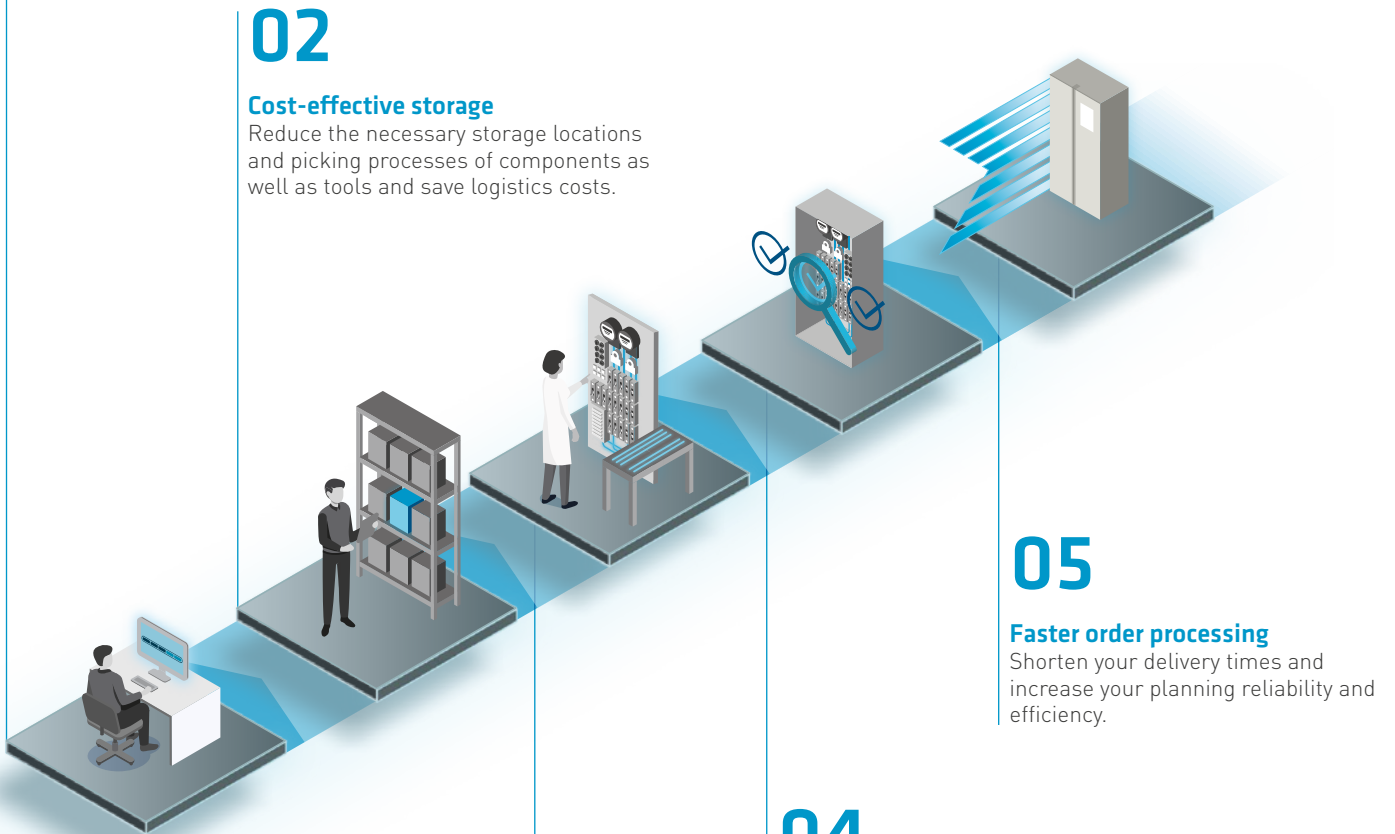
Continuous high quality

Minimize sources of error and ensure reproducible, consistently high quality thanks to our fully automated production.

03

Optimized manufacturing

Speed up your processes by using pre-assembled wire sets and save time and money.





hik-solutions.com

EVERYTHING FROM ONE SOURCE THE HIK PERFORMANCE PROMISE



Significant time saving

By using ready-to-use wire sets from HIK, the time required for wiring can be reduced by 50 %.



High economic efficiency

Thanks to the complete automation of the production steps, it is possible to produce economically from batch size 1.



Higher process reliability

Individual, automated labeling and processing of the wires ensure maximum process reliability during wiring.



Consistent quality

An integrated quality monitoring tool ensures consistently high quality of the wire sets produced.



Visible cost savings

Optimizing the value chain saves resources and internal capacities.



Complete customized solution

Thanks to our extensive know-how and automation expertise, production is carried out according to customer requirements, from automatic data transfer to procurement of materials and delivery.

HIK
we create solutions

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Distribution

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