



OEM SOLUTIONS

Automotive Cable Lugs Stamping Automotive Glass Connectors Wiring Harnesses Panel Assemblies
Automotive Crimping Tool Stamping Tool Laboratory validation

Verbindungen mit System
The Power of Partnership

KlauKe®

Automotive Cable Lugs

One of our core competences is the production of cable lugs for use in the automotive industry. Here, we process different materials and finish them with the desired surfaces. Especially for the application area with increased moisture influences, we use solid cable lugs which guarantee gas tightness in any situation. In addition to standard shapes, we develop and design customized cable lugs. We create the necessary drawings with the automotive standard CAD programs.

We also support you in crimp design to achieve the best possible solution with the used cable. We give you a complete system from a single source.

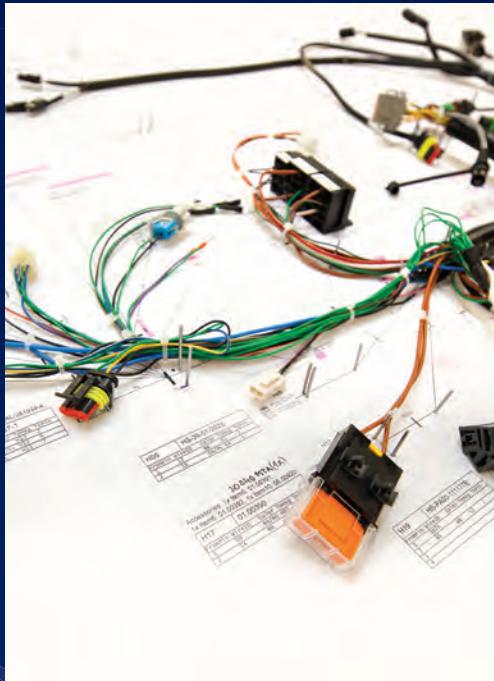


Stamping

Using our custom stamping and production tool manufacturing facilities we are able to offer many different precision stamped parts either in loose pieces or in strip form and in a variety of materials to meet your requirements.

Precision components are manufactured in ferrous and non-ferrous materials on multi-stage progression tooling on presses ranging from 25 – 250 tons.





Automotive Glass Connectors

We design and manufacture electrical interconnects for on-glass connector systems. Typically, parts include a wide variety of pre-soldered terminals and single, dual or multiple wire lead assemblies being processed for use in power and signal applications.

Standard processes include high speed double-ended wire cut, strip and terminate, precision stamping, post plating, automated round form or flat form solder deposition and automated fluxing processes.

Wiring Harnesses

Our capabilities range from complex wiring harnesses to single crimped wires to a variety of assembly work. We have the ability to process wires using the latest automatic cut, strip and terminate machines each having its own integral crimp force monitoring system ensuring quality is achieved on a repeatable basis.

We supply to markets such as automotive & utility vehicles, heating, ventilation & conditioning, household appliances, lawn care, refrigeration and vending.

Panel Assemblies

We specialise in the supply of electrical control cabinets and panel assemblies utilizing our cable assembly capabilities and our extensive supplier network to offer a complete assembly providing our customers with significant cost and time savings.

We can also support the development and the layout of the panels ensuring maximum optimization.

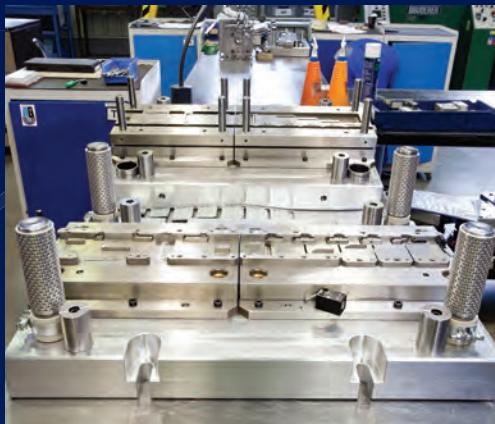


Automotive Crimping Tool

Especially for applications in the automotive sector, we have developed hydraulic tools that meet the highest requirements. With the product portfolio, we can offer you equipment for applications such as prototyping, pre-production and serial production. In the battery powered area, the devices can handle up to 12 tons of pressing force. Our stationary press heads reach a force of up to 25 tons. This allows processing of the cable lugs up to a cross-section of 120qmm. A further advantage is the comparative compact modular design of the devices and components, which simplifies the setup, planning and conversion of the workstations.

Optionally, we offer an additional monitoring system, which allows control of the pressing.





Stamping Tool

Precision stamped parts are important elements in a variety of electronic and electrotechnical applications. Operational reliability and production quality of the final product are primarily determined by stamping technology. Here, the course for all subsequent work steps is set. In our stamping technology we therefore count on uncompromising precision with highly developed automated processes.

With our experienced design department and manufacturing sophisticated stamping tools and dies, we have a deep understanding of what is needed to stamp high quality parts. Managing new stamping programs as well as the transfer of existing programs, Klauke has a long history of delivering projects on schedule.

We have experience working with stainless and cold rolled steel, hardened and tempered steel, aluminum, copper, brass, bronze, other ferrous and non-ferrous metals.



Laboratory and Validation

For the cable lugs and crimp geometry we use our house internal laboratory to carry out the most important test for validation. The focus here is on ensuring the contacting in the crimping area. Depending on the OEM specification, we carry out the following checks. Derating, temperature shock, "slow motion bending", micrograph and pull-out test. If different tests are required, they are carried out with our external partners and coordinated by us.

In addition to the pure test, the results are summarized together with the performance at the OEM.

So how can Klauke help you?

We offer simple wires to complex harnesses,
panel and control cabinet assemblies,
Automotive connectors and custom stampings

We use manufacturing methods such as over moulding, braiding, welding

We use state of the art equipment and run a highly approved and managed production facility

We offer you the solution to your wiring requirements no matter the application

So why not give us a call, we are confident we can offer you the complete solution your application requires.

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Quality



Our Integrated Management Systems include a formal Quality and Environmental program that meets International Standards Organization's requirements of ISO TS 16949:2009, ISO 9001:2008, and ISO 14001:2004.



The Zero Fault principle is one of our company's most important goals and we aim to get there with the help of Six Sigma methods. Our commitment to high quality is not limited to products, but applies to all processes – even in administrative areas.



Klauke Assembly Solutions promotes policies dedicated to the economic use of materials and energy resources. We maintain a safe work environment for our employees and community.



We actively demonstrate a responsible attitude toward the use of natural resources to benefit employees, business partners and the environment.



Our production of cable harnesses and assemblies is certificated according to UL wiring harnesses standard.



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