



Always a  
strong partner!

Component development and  
consulting service

Rapid prototyping

Tool construction

Tool and mold construction

Series production

Finishing and mounting of  
component assemblies

**WEBER** 



*Headquarters in Waidhaus (tool and mold construction)*



*Plastics engineering in Waidhaus*





Nuremberg Branch Office

## Philosophy

*Precision workmanship as a matter of principle for finding the best solution*

The “Weber Group” is a family business run by the owners with more than 22 years of experience in the field of plastics processing as well as in its own tool and mold construction division.

Our customers’ problems are solved and their requirements are implemented according to the following principles:

- ◆ There is an innovative solution for each problem.
- ◆ Market-oriented solutions for highly precise production of plastic parts are always worked out in cooperation with the customer.
- ◆ Ideas as well as know-how are communicated during product conception (the development stage) to our customers and integrated in order to realize superior products in economic series production.
- ◆ Highly motivated, well-trained experts with long-standing experience and the use of the latest technology and infrastructure are the prerequisite for a successful company and are necessary to comply with our customers’ high quality standards.
- ◆ We place emphasis on resource-saving production processes. An environmentally friendly and energy-efficient production policy as well as striving for continual process optimization are essential.
- ◆ We offer everything from one source, from the idea to the finished product.
- ◆ Consistent communication and fair relations with our customers are a matter of course to us.

## 22 years Weber

### Company chronicle

**1992**

Foundation of the enterprise “Josef Weber Werkzeug- und Formenbau” at the location in Waidhaus

**1994**

Relocation of the company to the new premises of “hall 1” in the Waidhaus industrial area

**1998 - 2001**

Diverse extension buildings for plastics engineering and logistics are built as “hall 2” and “hall 3”

**2003**

Weber GmbH and Weber Kunststofftechnik GmbH are certified according to the quality management system ISO 9001:2008

**2007**

Establishment of a branch office for mold construction & plastics engineering at the location in Nuremberg

**2010 – 2011**

The plastics engineering division at the location in Waidhaus relocates to the new premises “hall 4 + 5”.

**2013**

Extension and expansion of the development and construction division at the location in Nuremberg

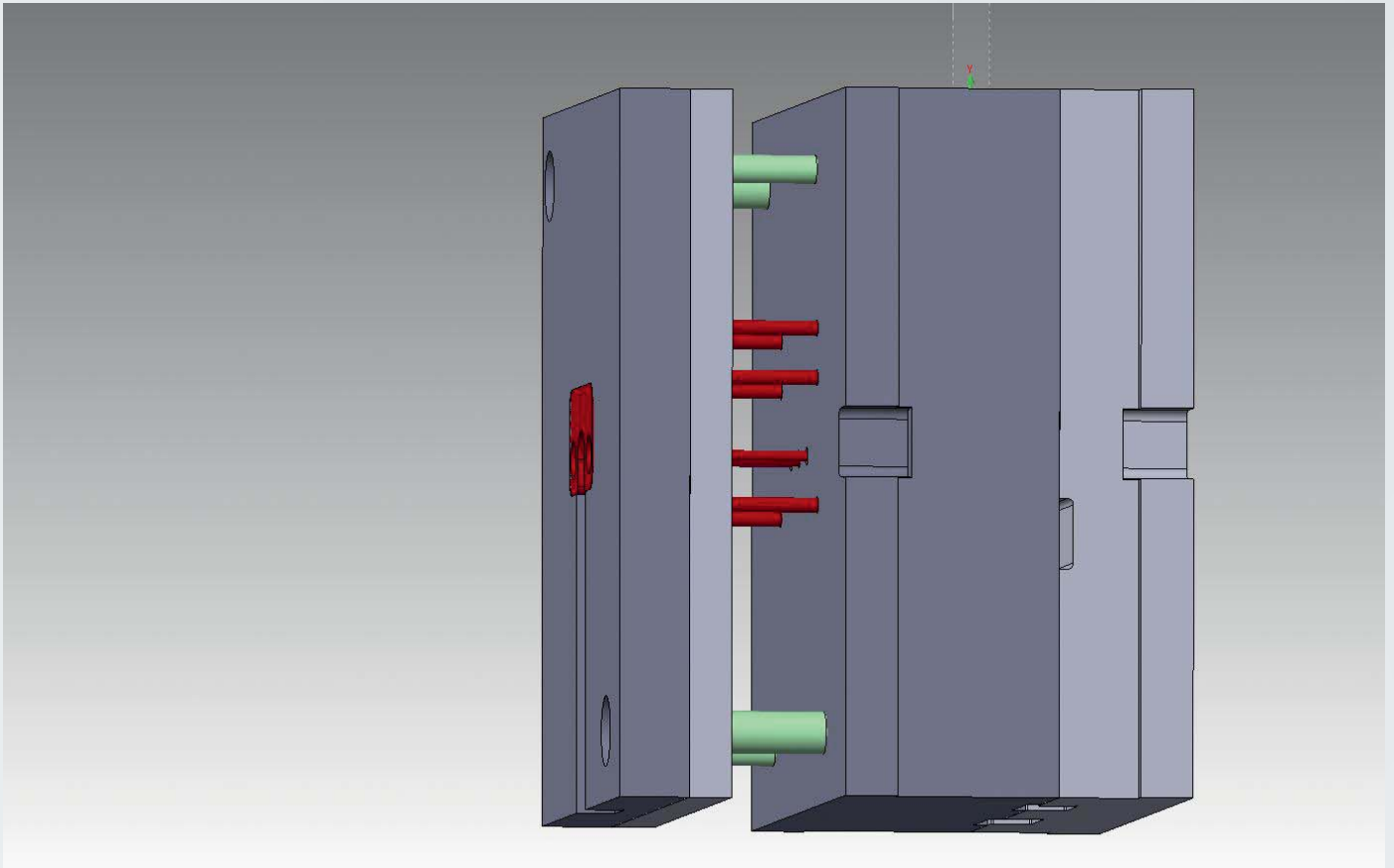
Acquisition of a company for tool and mold construction located in Nuremberg

Cooperation in the field of component assembly parts with a company in an EU member state in eastern Europe

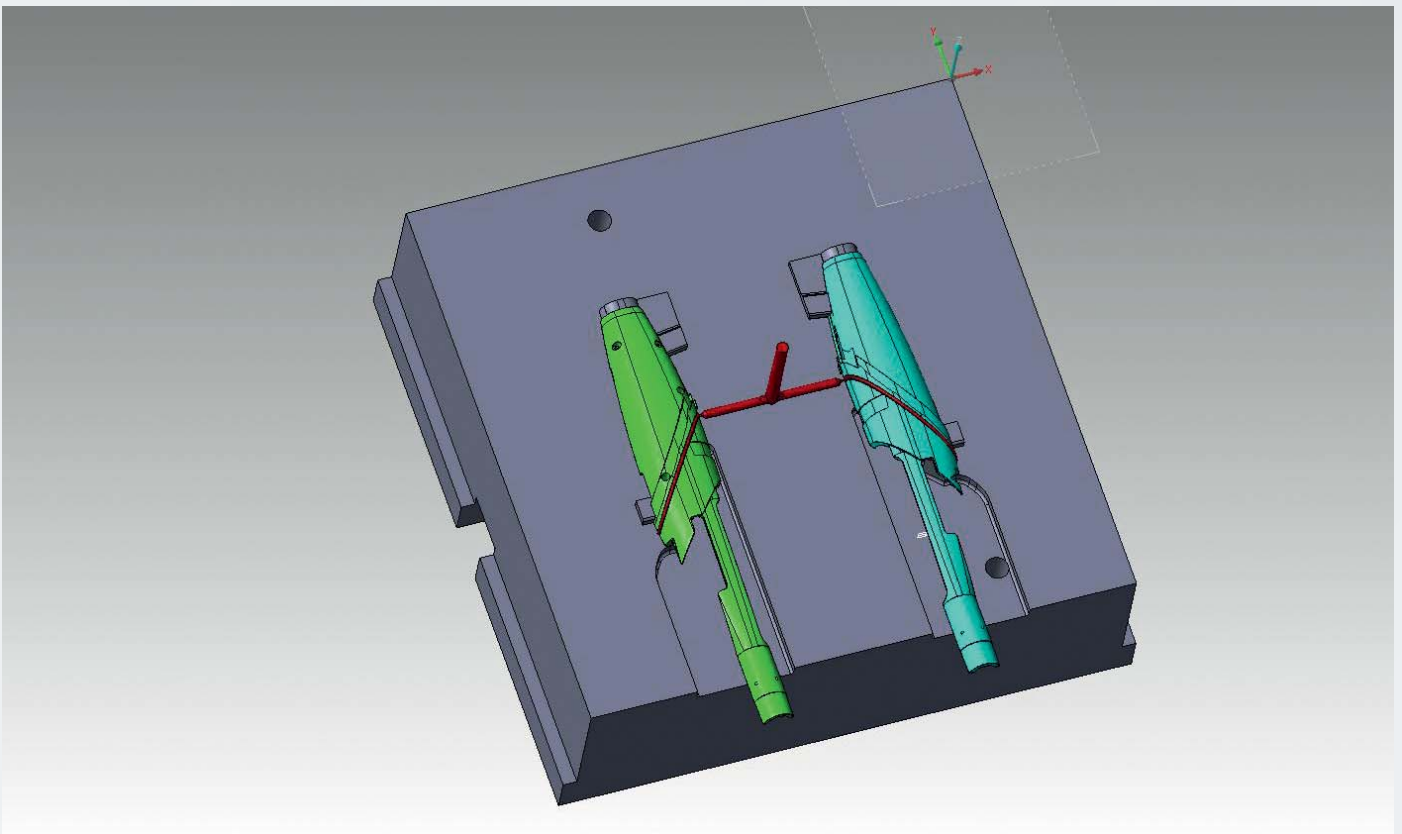
**2014**

Redesign of the halls 1 - 3 at the location in Waidhaus

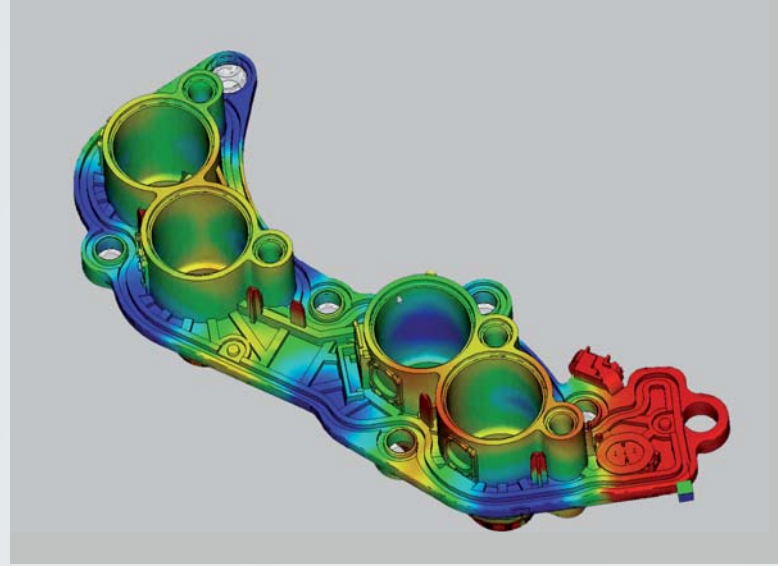
Currently 120 staff members work on approx. 10,000 sqm at the locations in Waidhaus and Nuremberg.



Plug-in cartridge for mold base



Prototype cartridges made of aluminum



Moldflow

## Component development and consulting service

*Fair cooperation brings your product to perfection and increases your success*

### Component development and consulting service

Fast and cost-efficient solutions for problems are developed, if all experts and specialists contribute their knowledge in the early phase of a project and exchange ideas in the framework of target-oriented project planning.

Only this way systematic product developments can be implemented transparently in compliance with the customers' requirements. Also this permits our customers to actively participate in all stages of product development.

Due to the support by engineering tools concerning the application of 3D CAD technologies, such as mold flow calculations etc., the development phase and the series starting phase can be reduced considerably.

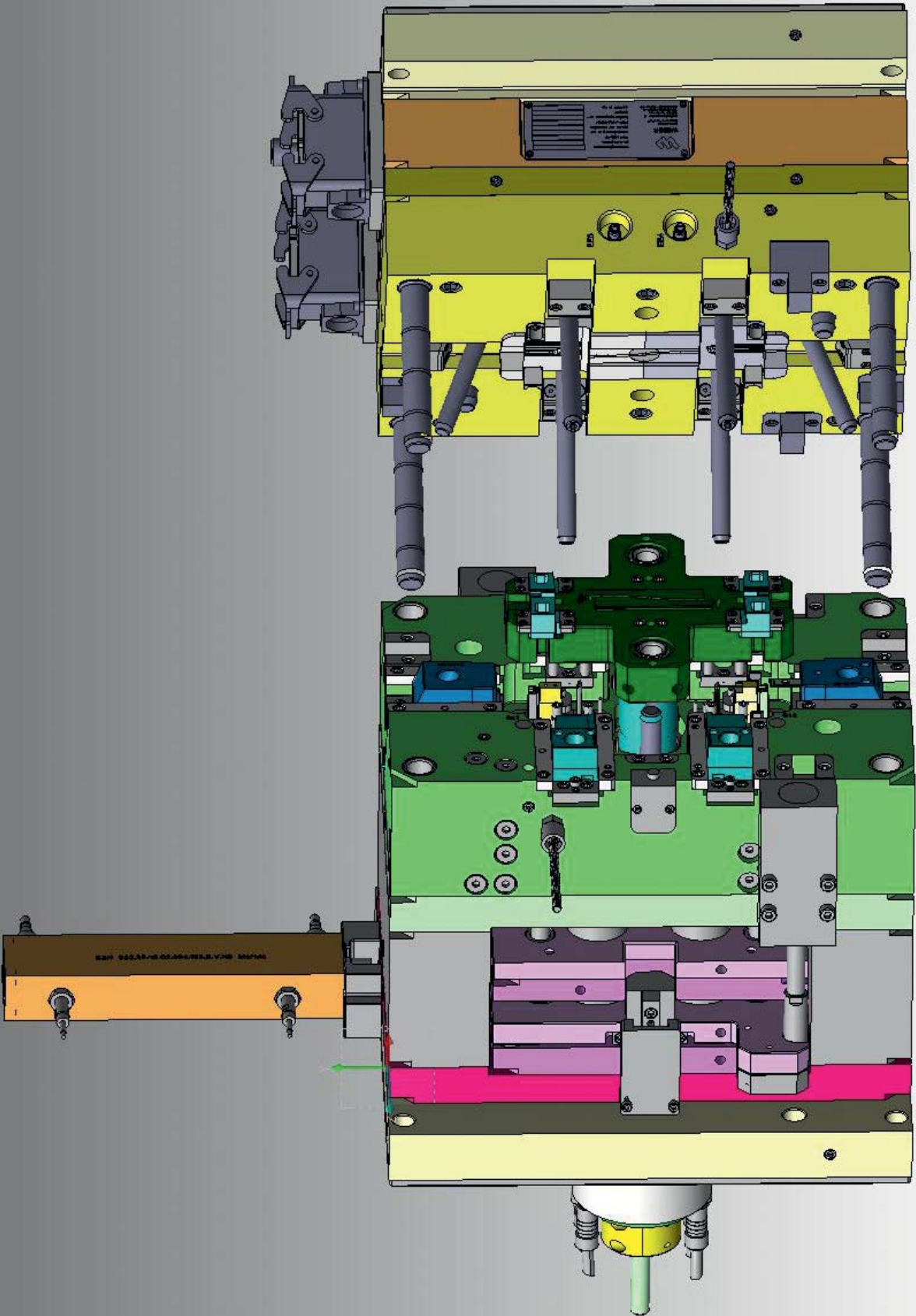
## Rapid-Prototyping

### Rapid prototyping

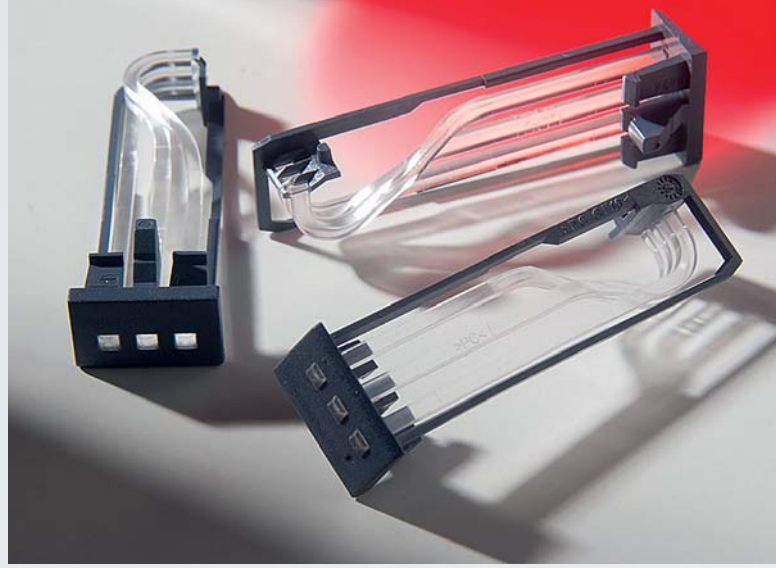
The earlier a prototype is existing, the faster any possible faults can be traced resp. improvements can be incorporated in the component.

By means of experimental tools made of aluminum resp. soft steel as well as of various rapid prototyping procedures (e.g. stereolithography, laser sintering, vacuum mold casting etc.) we are in a position to manufacture first demonstration resp. function samples at an early stage.

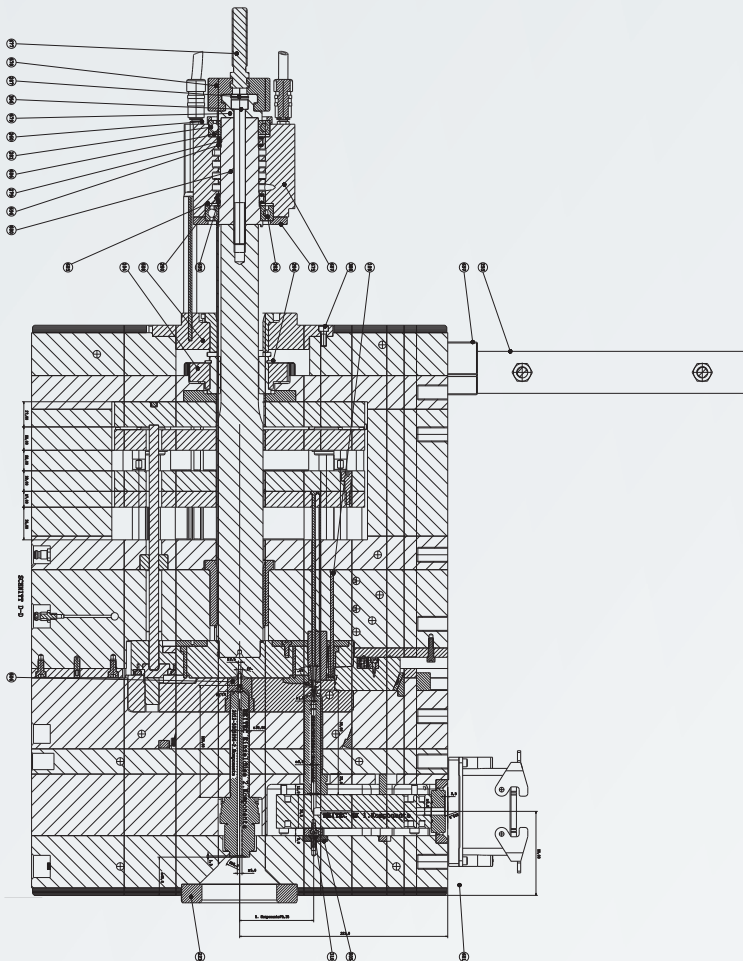
Direct communication and short distances facilitate a smooth implementation process.







2-K (2-component) fiber-optic light guide



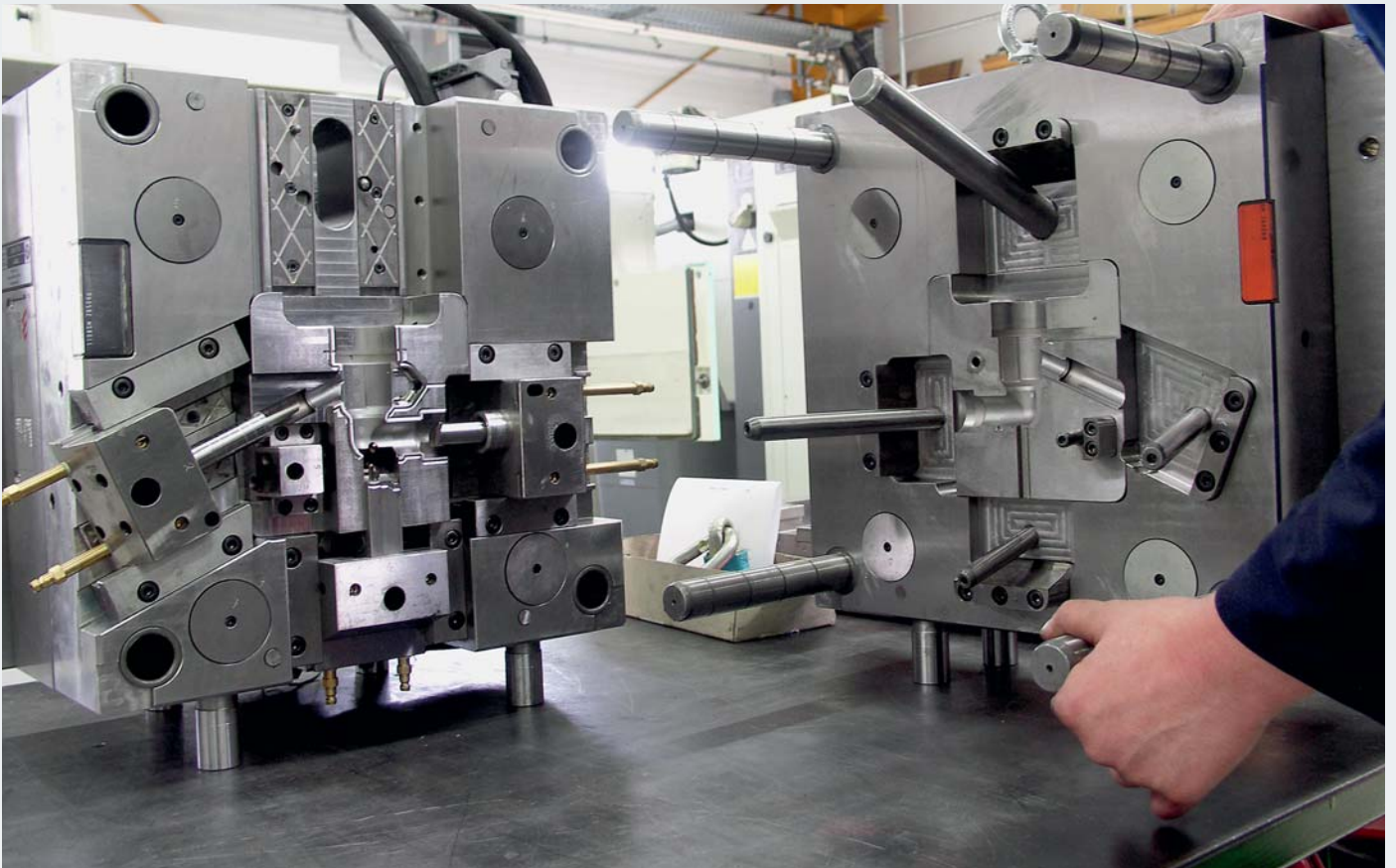
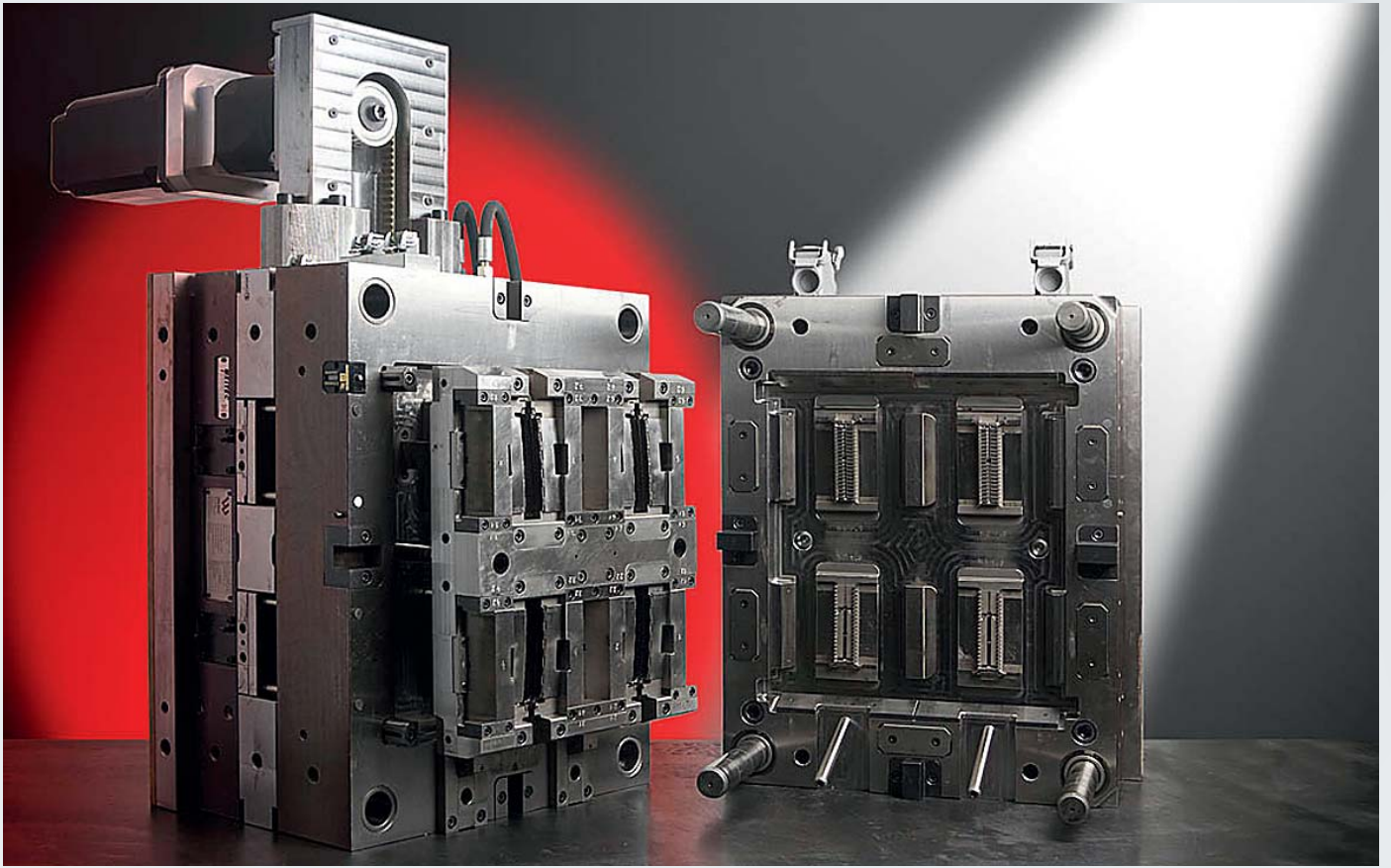
## Tool construction

*Take on challenges, create reliability through precision*

For each component an individual tool is developed according to a predetermined tool specification and manufactured by our designers.

Design drawings are made for each single tool part in order to optimize the flow in tool and mold construction. Our specialists know the requirements necessary to implement tools suitable for series production, such as injection molding tools, punching tools, measuring devices, mounting fixtures etc.

Due to our long-standing experience, also matching metals as well as suitable hard-coatings are already determined during the engineering phase.







2-K (2-component) sealing washers

## Tool and mold construction

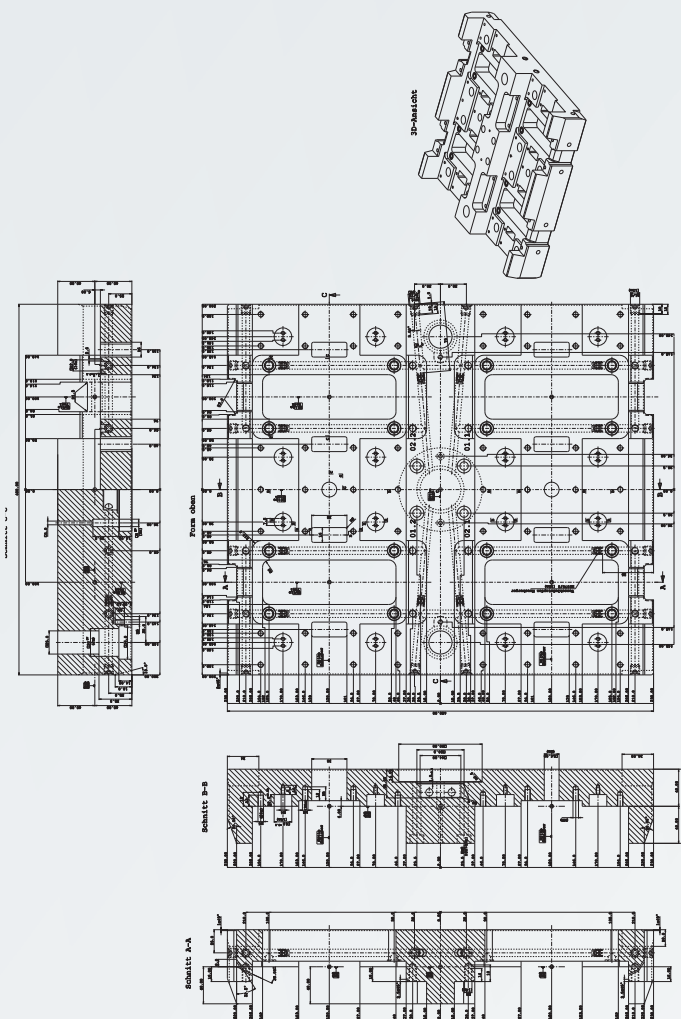
*Always a strong partner*

A top quality tool is the basic key to success for efficient and perfect plastic part production.

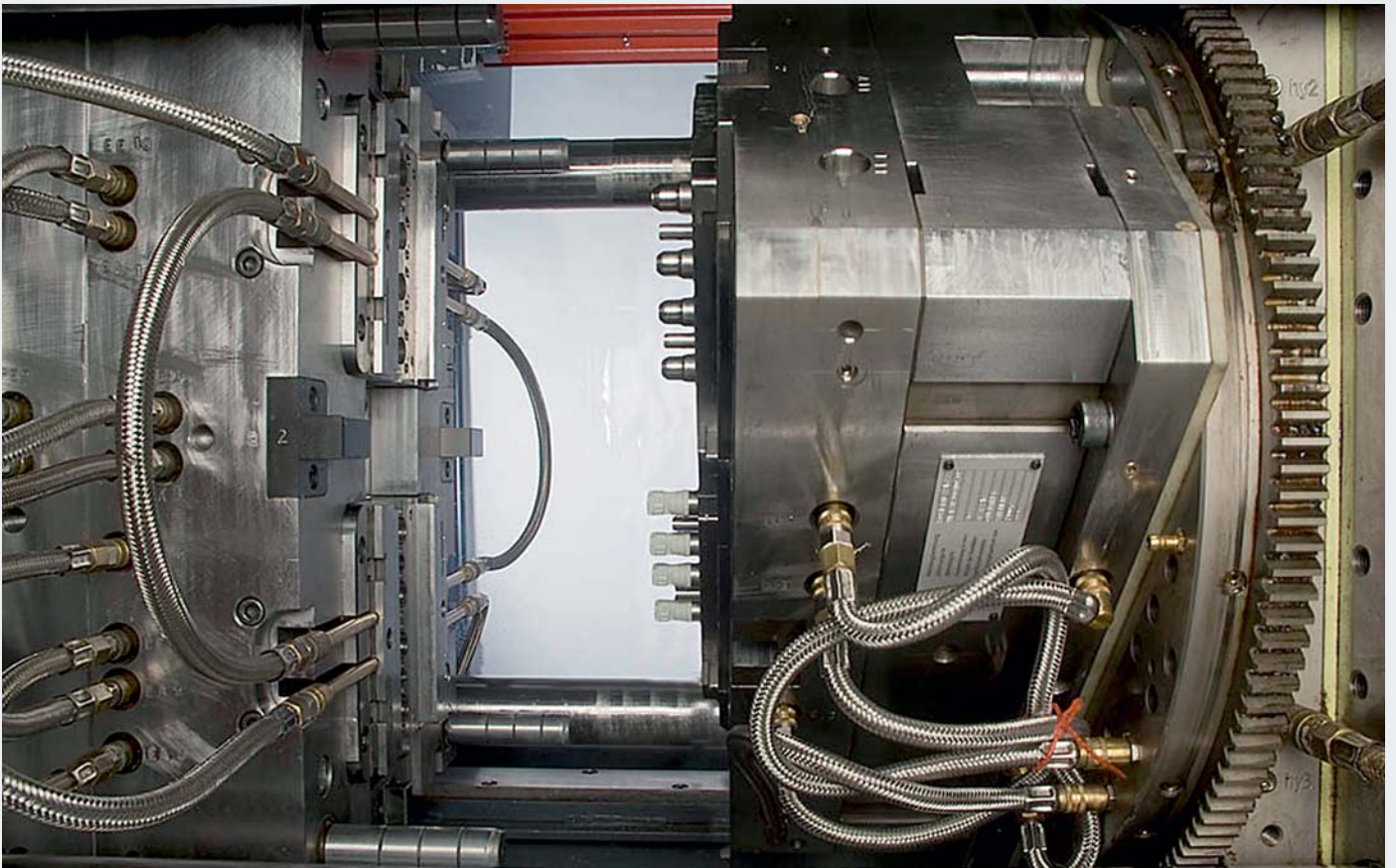
Our tool and mold construction, which is committed to the target “precision workmanship as a matter of principle” has always been the most important element of our company philosophy. Our scope of delivery ranges from prototype tools, highly complex single-impression molds to multiple-cavity tools (64-fold), boring tools with hydraulic or electronic drives, 2K-3K (two-component- three-component) multiple-component technology (with integrated turning devices, rotary plate tools, core-back procedure) GID and mono-sandwich appliances.

Implementation of this high degree of precision in tool and mold construction requires up-to-date manufacturing facilities with regard to technologically state-of-the-art machine tools as well as comprehensive inter-corporate data transfer. But this constantly high level essentially depends on the necessary know-how of our well-trained staff members that have been committed for many years. Each staff member contributes to the successful manufacturing process of the tools.

For tools made by the “Weber Group” you receive an output warranty including regular maintenance service.











*Optic-fiber light guide / Optical measuring technology*

## Series production

*The product is the result of consistent implementation of tasks*

We fabricate plastic parts for numerous technical applications on state-of-the-art plastic injection molding machines.

Due to process-integrated take-out robots resp. packaging system we are in a position to provide 24-hour operation with guaranteed delivery reliability for our customers. Also high cost-effectiveness concerning production and installation are assured by the crosslinking of injection molding machine and assembly automation, eliminating any activities that are not value-adding.

Furthermore the risk for expensive standstill periods has been minimized enormously and improved further with regard to sustainable tool maintenance and service due to the close cooperation with our in-house tool and mold construction divisions. The fabrication process resp. economically successful series production are only possible, if operation is effected without any disturbances and with constantly high quality.

On our state-of-the-art plants, these tasks are controlled and supervised by our qualified specialists.

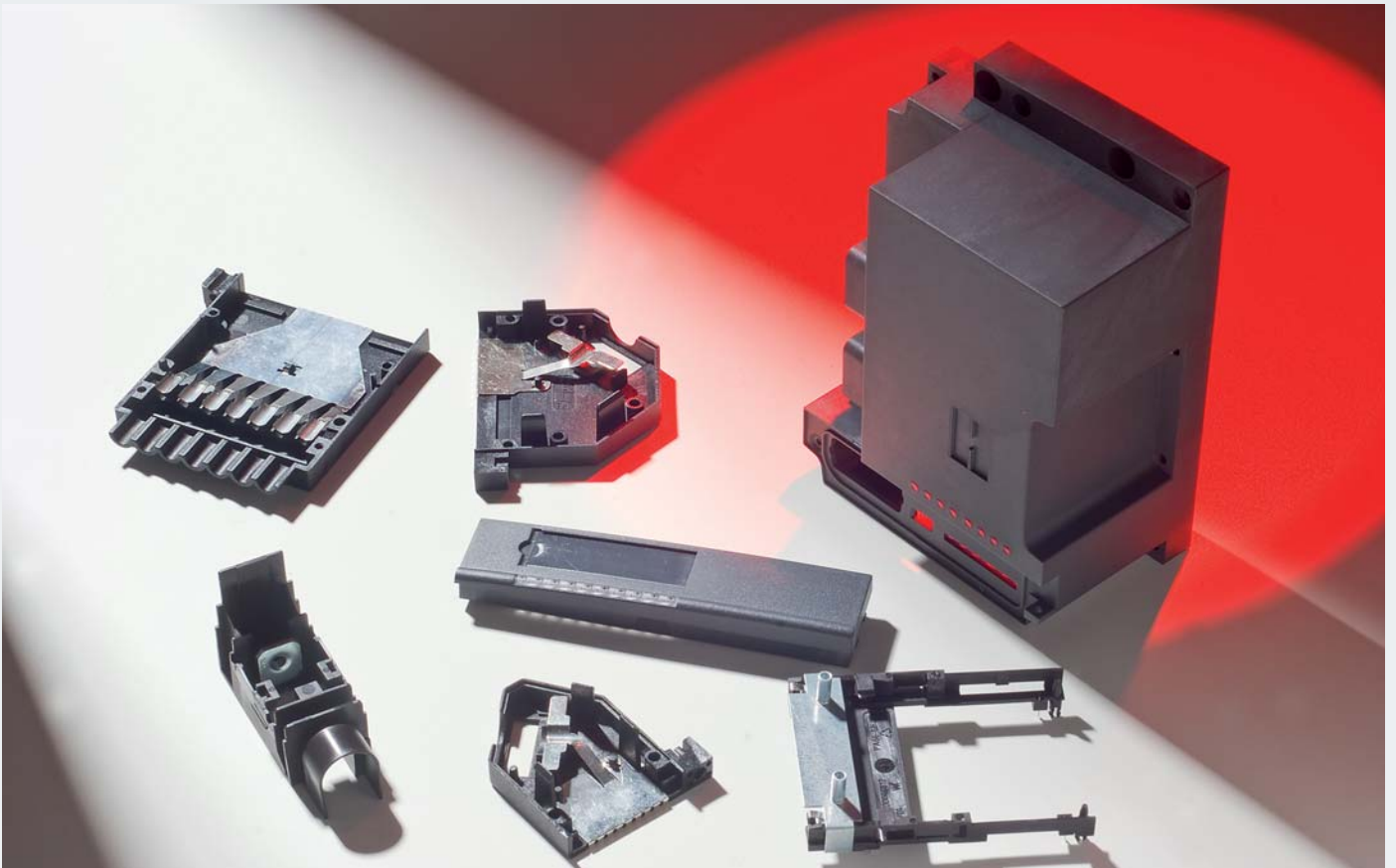
The entire fabrication process, starting from processing of raw materials, injection procedure, supply of component assembly mounting to readiness for shipment of the components are subject to certain control mechanisms with constantly high quality standards.

Due to enormously increased energy costs, optimization of resource consumption and with regard to environmental aspects we have successfully improved manufacturing procedures in the following areas: Heat recuperation, use of LEDs in all offices and fabrication facilities, special cooling systems with reduced energy consumption, replacement of old, fully hydraulic injection molding facilities by fully electric ones etc.

Currently we process the following materials on 42 plastic injection mold machines at the locations in Waidhaus and Nuremberg with closing pressures from 25 to 650 tonnes:

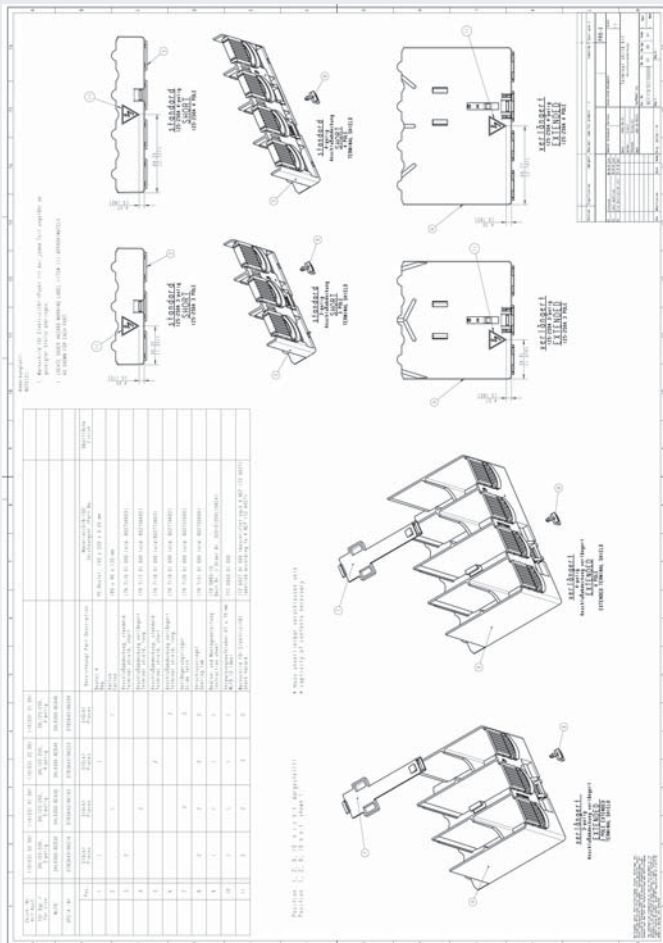
PE, PP, PS, ABS, ASA, PMMA, POM, PA, PC, PBT, PPS, PEEK, PSU, TPE, TPU, etc.







Operating elements



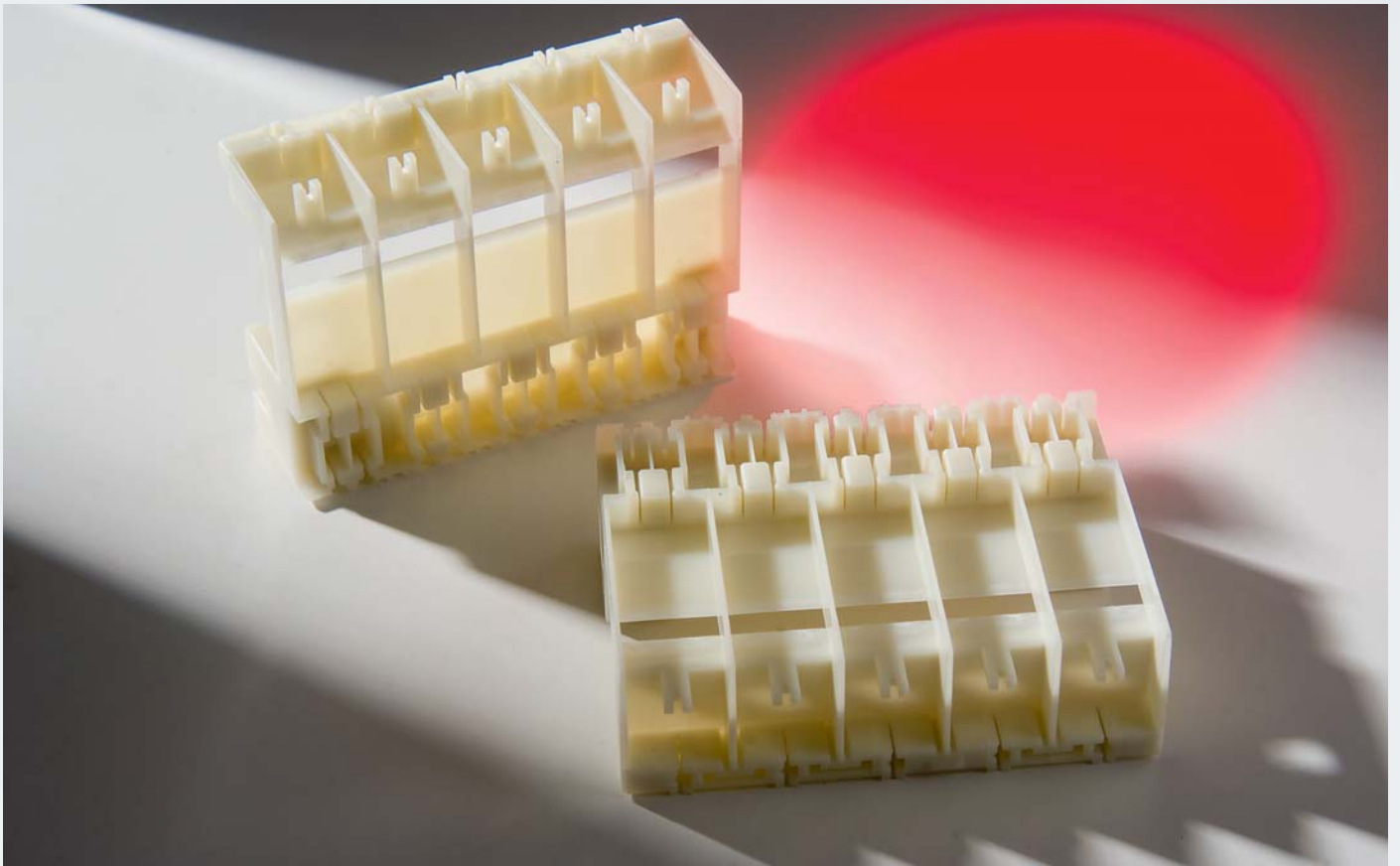
## Finishing - component assembly mounting

*Experience and competence*

With our highly motivated production team we provide comprehensive services ranging from simple product finishing, such as printing, laser marking, galvanized, vapor-coated and varnished surfaces, to ultrasonic welding and packaging, up to manual resp. fully automated packaging of complex component assemblies. Thus we obtain increase of the vertical range of manufacture and optimize the value-added chain of our customers. Due to precise coordination of development, fabrication and logistics processes we are able to manufacture ready-to-install components in customer-specific packaging industrially and economically.

Our customers supply detailed product specifications with the inquiry or during the component designing process which we implement step by step. Furthermore the Weber Group discretely purchases outsourced components and selects the suppliers suitable for your purposes. These suppliers are audited by Weber and approved for the first run of serial production. So you will save time and relieve your own company.









Electronic casing for tool holder

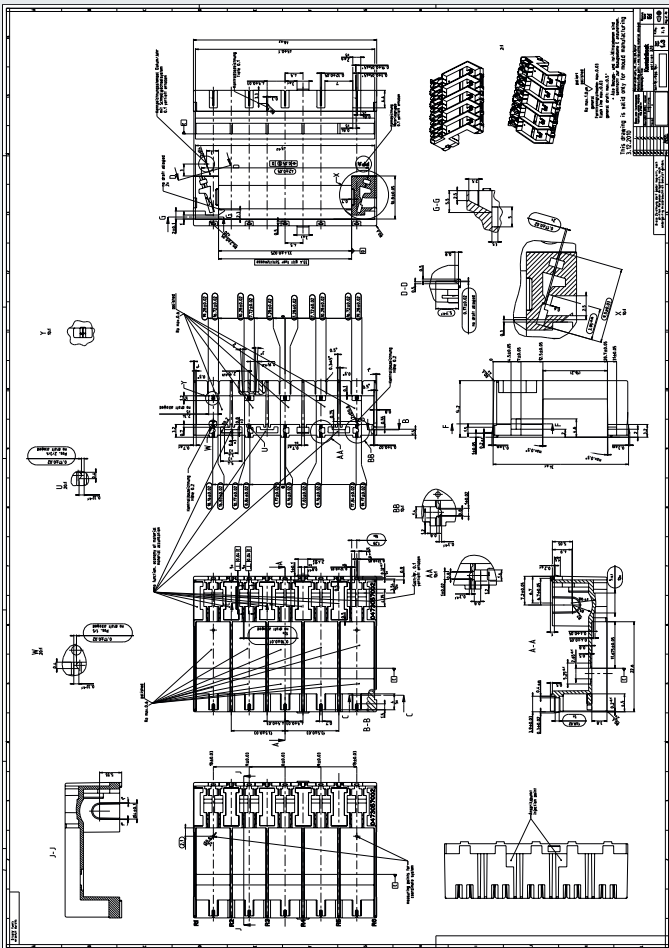
## Quality and process stability

*Our responsibility finishes only after the products have been handed over fault-free to you!*

High reproducibility of the manufacturing process is indispensable for obtaining top quality.

The certifications according to ISO 9001:2008 form the basic framework for all quality tests. ISO 16949 for automotive engineering and ISO 13485 for medical products are the basis for our guideline in defining manufacturing processes and controls.

Specific component tests are determined in cooperation with you and integrated in the entire manufacturing process.



*Your requests and visionary ideas are the prerequisite for new challenges*

The commitment of all our staff assures our future. The high motivation and the continuing training of each staff member ensure top efficiency which contributes to a win-win feeling in the teams and enables us to implement each request of our customers.

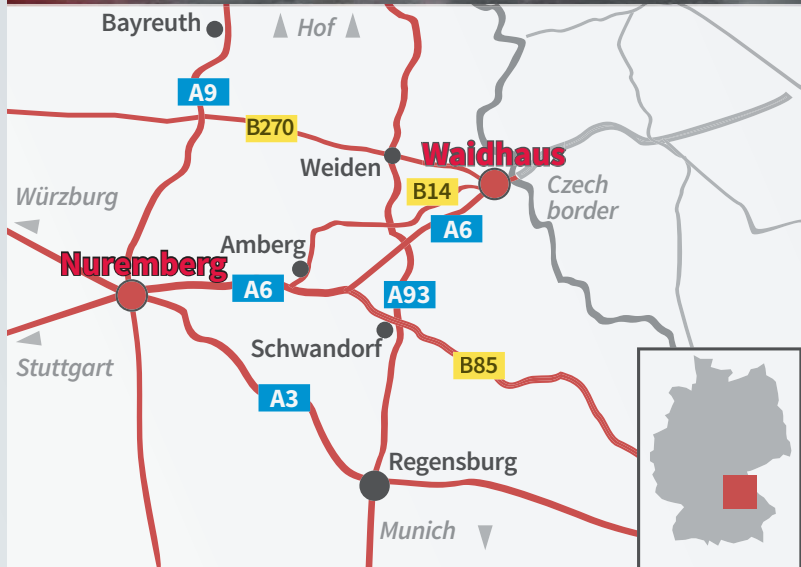
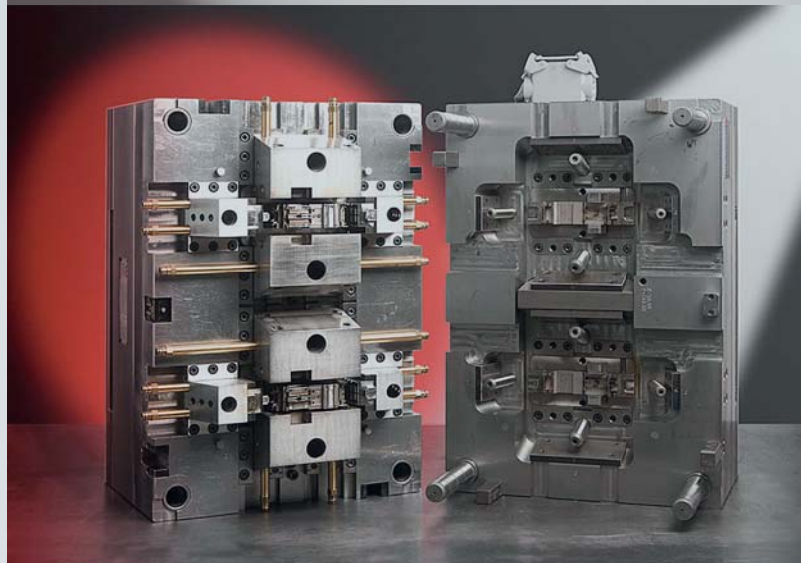
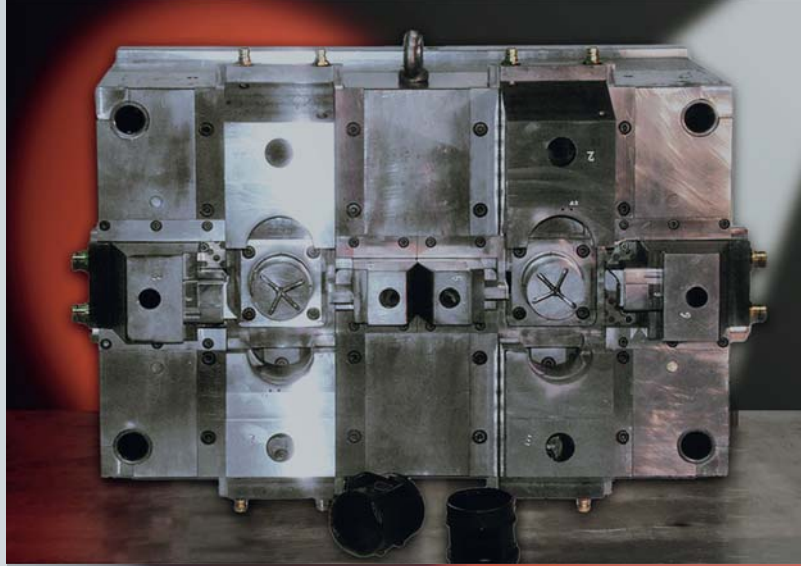
We offer fair cooperation. Please do not hesitate to send us an inquiry for your next project. We assure you of smooth and uncomplicated handling from the start to the conclusion of the project work.

## Weber-Group

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