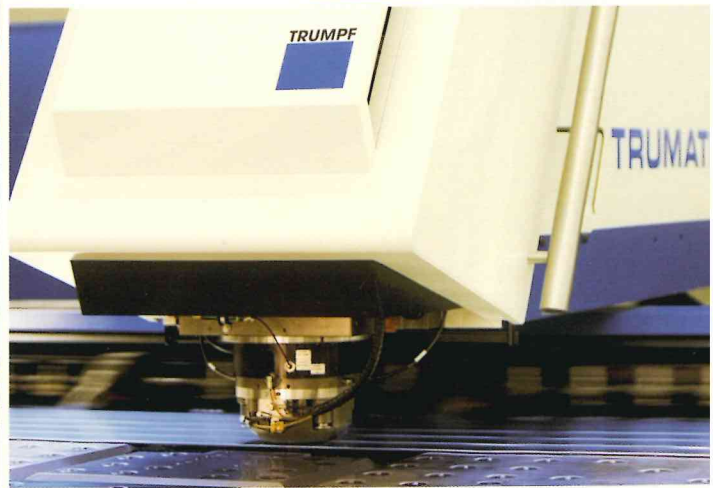
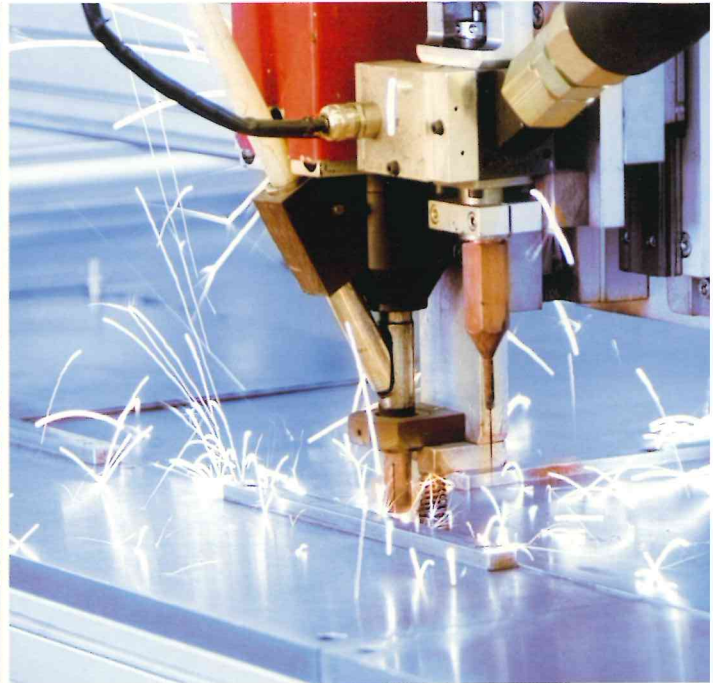
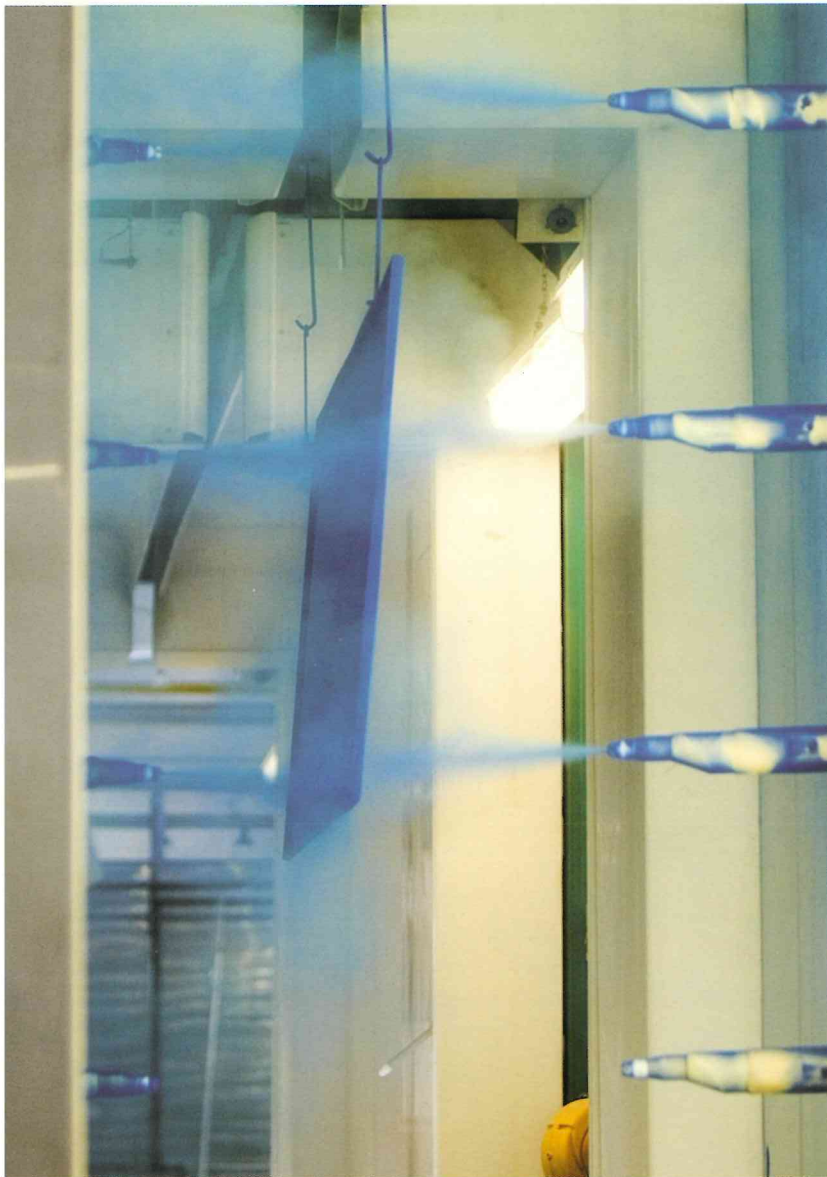




**Schaltanlagenbau  
Erfurt GmbH**

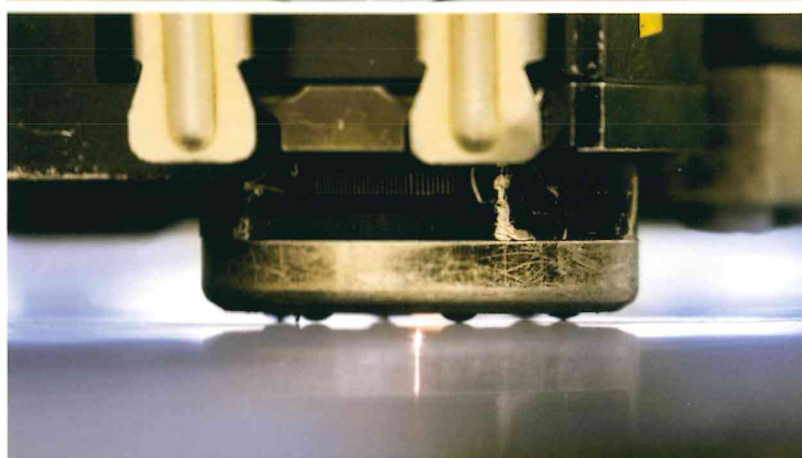
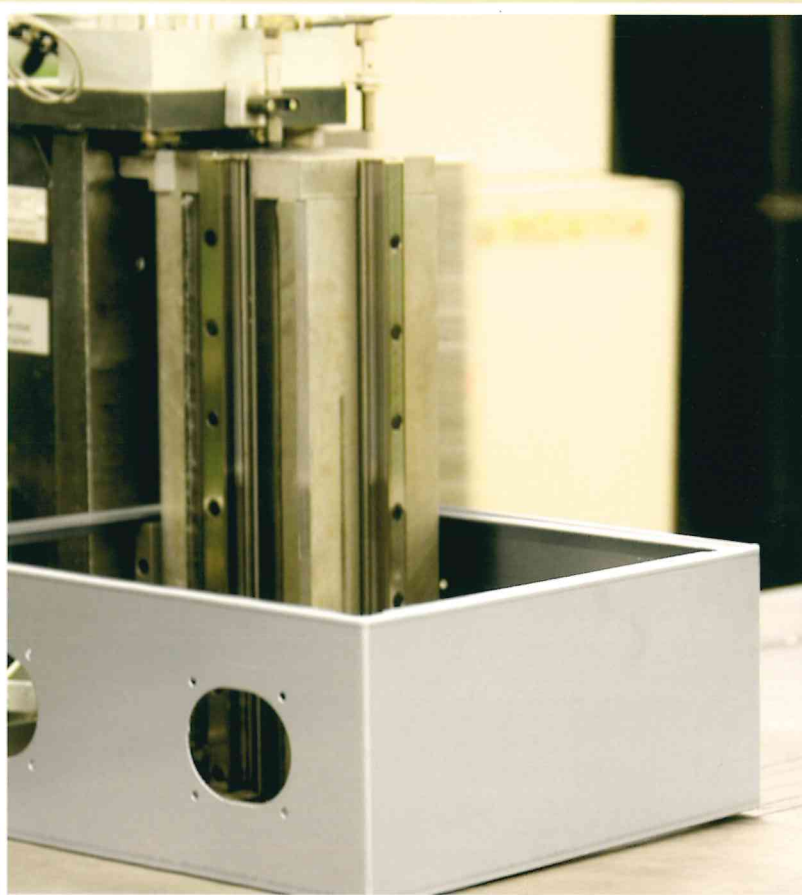
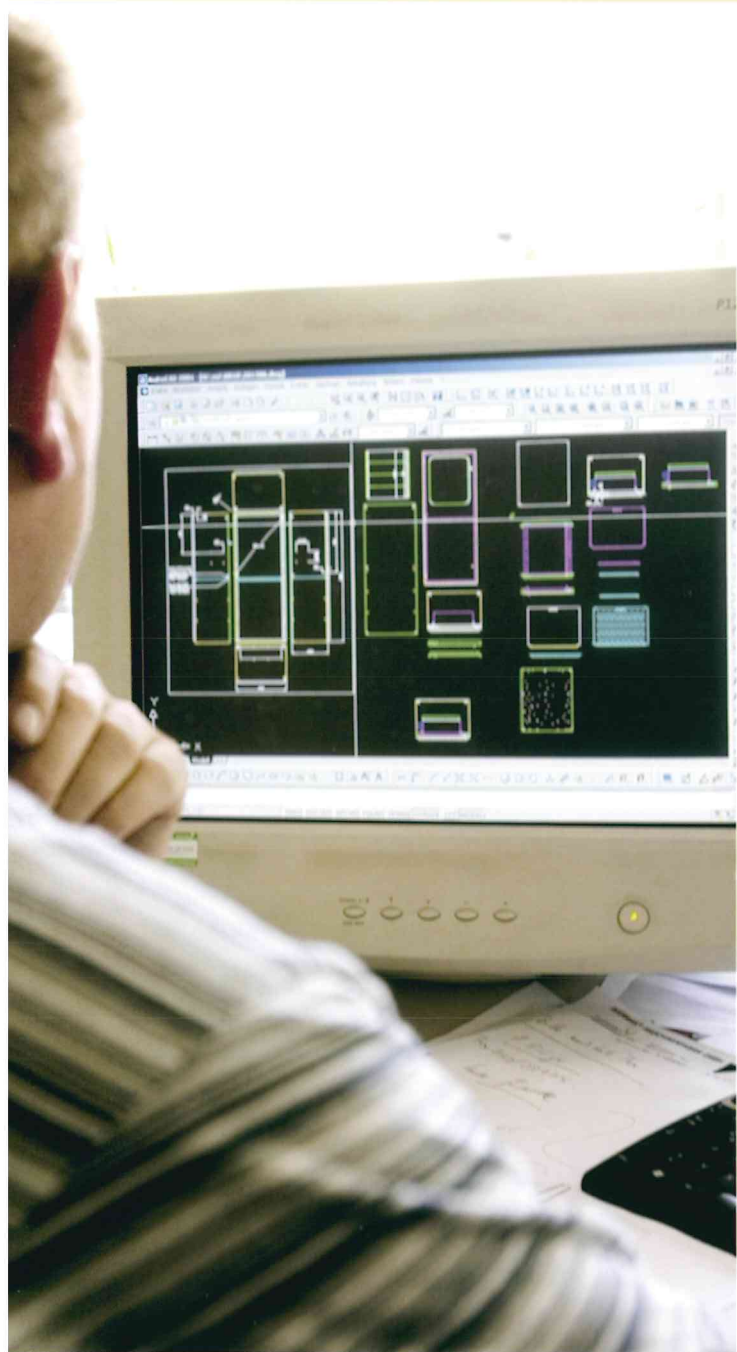
**Grown with experience.**



**The perfect casing  
for every specification.**

*Certified according to DIN EN ISO 9001:2000*





*Steel-sheet manufacturing at the highest level – SAE Schaltanlagenbau Erfurt GmbH gives your control systems a face. Whether you need a customized unit or a standard model – we solve every problem and help you improve your performance.*



## **The perfect casing for every specification.**

We are the perfect partner for your special requirements. With competence and experience in individual switchboard-cabinet construction, we fulfill all your demands and customize your product to meet your individual needs.

Decades of know-how in the construction of customized steel-sheet casings for machine and plant construction purposes, suitable for applications up to safety level IP 55, speak of our competence.

We offer you the security of receiving a perfect product. For this, we use special software to plan and represent all technological processes. Thus, we can guarantee a transparent production process specially designed to meet your requirements – from the structured parts list to the detailed representation of the individual production steps to the monitoring of the entire production and its progress.

All casings can be modified according to your specifications and will be assembled completely. Our engineering and construction department will cooperate with you every step of the way.

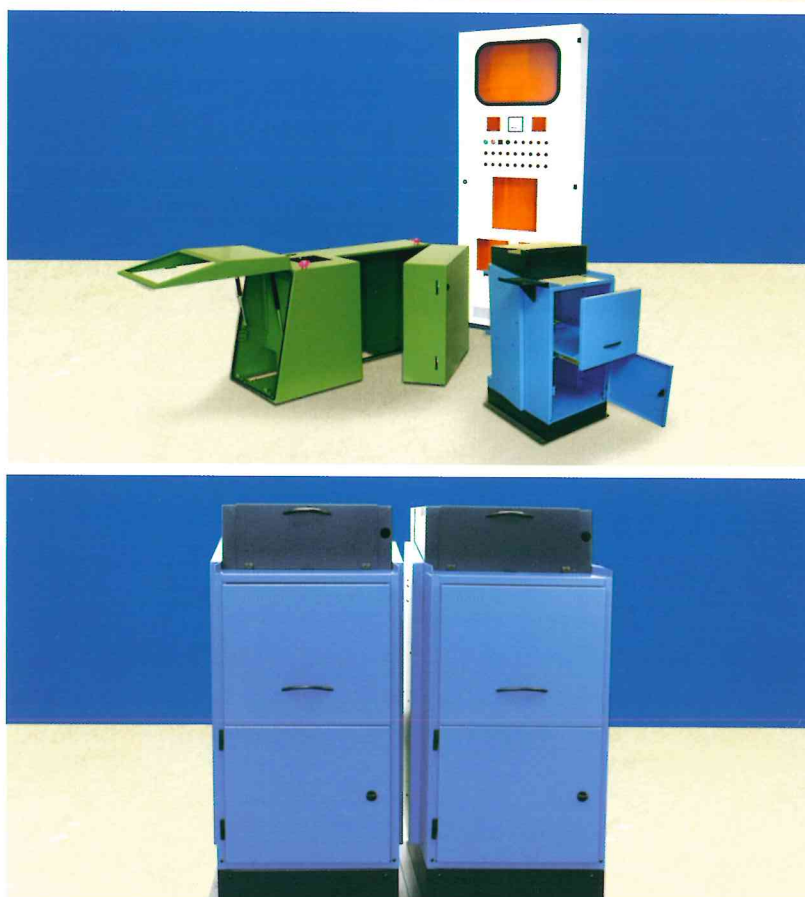
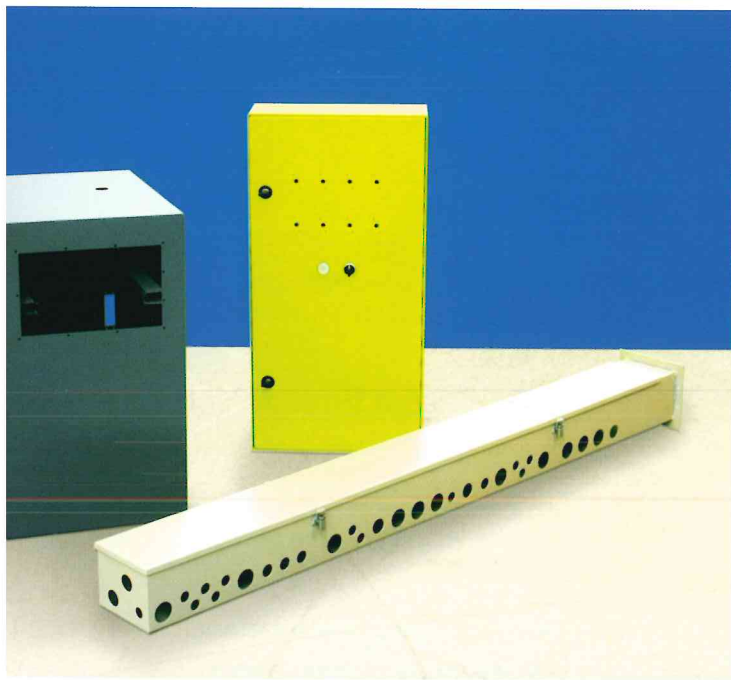
Modern, flexible machinery in combination with adaptable processes are the perfect means to create dependable, high-quality, and presentable switchboard cabinets.

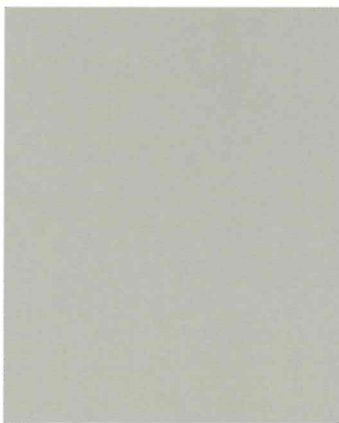


## Core competence – housings and components for SPEC-application

### Special programme

- » Special coating in various RAL-colours for steel-sheet casings and accessories
- » Customised openings in doors and side panels e.g. for installation of switches, measuring devices and control devices
- » We manufacture steel-sheet housings with special dimensions (in each case width, height and depth in 25mm grid) according to your needs
- » Of course we also supply all steel-sheet housings, standard sizes and special dimensions as a fully-assembled switchboard - fitted with the devices of your choice.



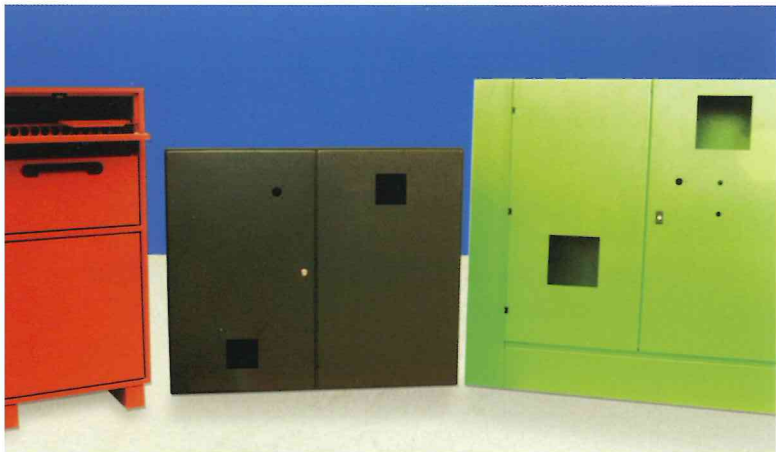


### *Our services in steel-sheet manufacturing – an overview:*

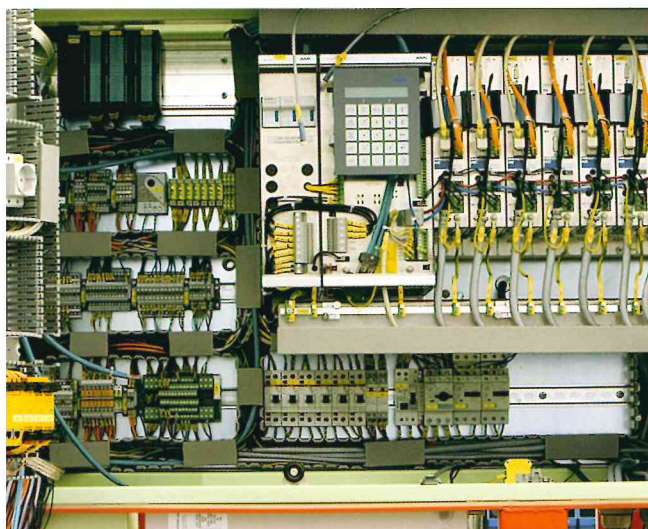
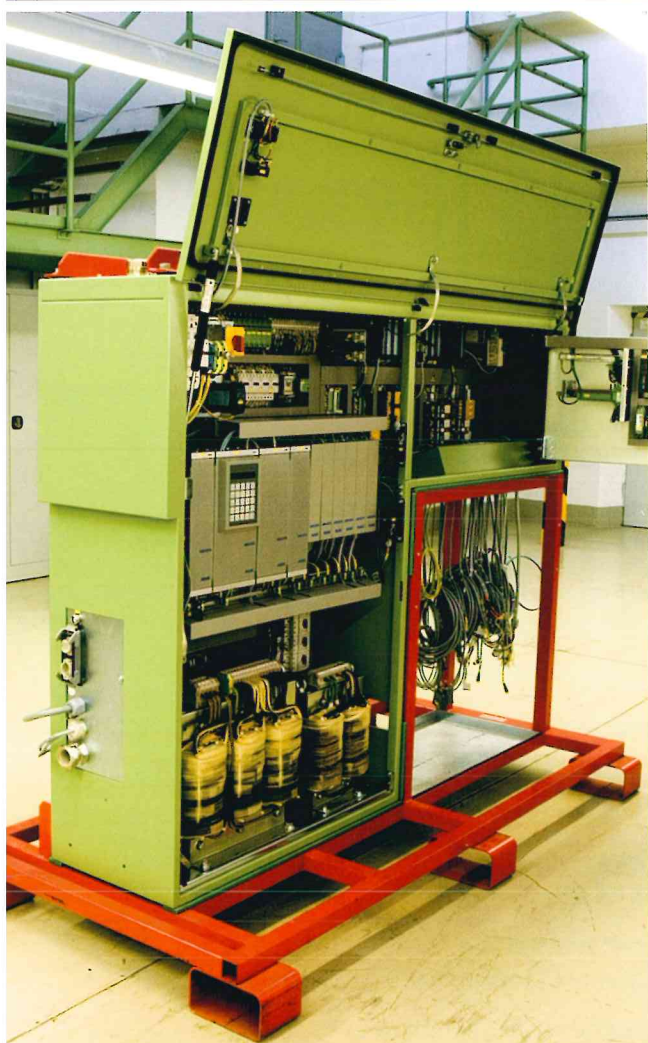
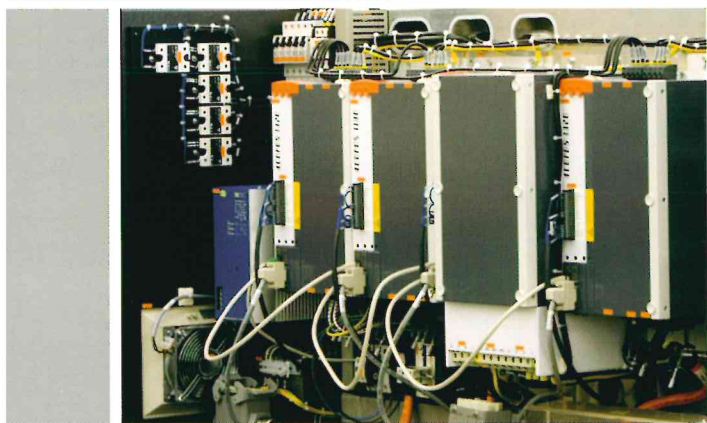
- » Own construction department
- » Standard-sized and customized casings and switchboard cabinets
- » Every switchboard cabinet and casing completely assembled
- » Modifications according to customer specifications
- » Production of casings and construction parts with minimal dimensional tolerance
- » Manufacture of diverse openings in the casings by means of laser-cutting technology
- » Batch size and storage production possible
- » Surface refinement according to customer specification:
  - Wet paint coating
  - Smooth powder coating
  - Structured powder coating
  - Galvanized coatings
- » Long-standing cooperation at the highest level with plant engineering and construction companies in diverse areas
- » Quality management to optimally monitor all processes

### *Technological facilities / machine equipment:*

- » Shear-action cutters  
(for up to 6 mm thickness / 3,000 mm length)
- » CNC punch nibbler / laser cutter  
(for steel / zinc up to 6 mm)
- » CNC press brake  
(3,000 kN, length 3,000 mm, height 350 mm)
- » Eccentric presses for punching / stamping  
(up to 1,600 kN)
- » Cornering / steel sheeting  
(1.5/2 mm, height 12/18 mm)
- » CNC serial spot welding (length up to 2,200 mm)
- » NC corner welding (height up to 600 mm)
- » CNC stud welding  
(width up to 1,300 mm, depth up to 2,600 mm)
- » CNC joint sealing  
(width up to 1,300 mm, depth up to 2,600 mm)
- » CNC butt stop welding  
(width up to 1,300 mm, depth up to 2,600 mm)
- » CNC powder coating (width up to 800 mm, height up to 1,800 mm, length up to 3,000 mm)
- » CNC gasket foaming
- » Screen printing
- » Plastics processing







### *Our services in switchboard construction – an overview:*

- » We produce complete switchboard stations according to your constructional drawings and specifications
- » We use high-quality machinery and components supplied by renowned European manufacturers
- » We will employ the equipment, components, and bus systems you specify
- » We wire switchboard cabinets according to wiring diagrams or wiring lists
- » We cut cables and wires to size on automated trimming and end-stop machines for efficient production
- » We produce and deliver machine wiring according to your type and measurement specifications, with or without stop plates and plugs
- » We use established labeling systems to mark machines, conductors, wires, and cables (e.g. Weidmüller, Wago, Phoenix, Legrand)
- » We offer the complete electronic construction of your switchboard systems: we project your hardware with different CAD systems and compile user application software for SPS and control systems according to your specifications
- » We use monitored measurement- and testing technology, processes, and tools and can therefore guarantee consistently high quality
- » We monitor and calibrate all products in our own, calibrating station
- » Our products are CE-, conformity-, and manufacturer certified
- » We are certified manufacturers of switchboard systems (UL and cUL certificates) according to North American regulations