

Mechanical Engineering

Sub Contract Manufacturing Sheet Metal Forming



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Stay flexible and save money

Top quality components for your customers – we can supply machinery, labour and expertise

Do you supply your customers with metal components and are considering outsourcing your manufacture? We can serve as an extension to your work bench, provide the plant and support you with our expertise. By using our sub contract manufacturing which **does not rely on any particular sector of industry** you can save on cost and keep flexible.

Save Money



We can provide you through contract manufacturing an array of services and can draw on **over one hundred years of experience in metal machining**. Regardless of whether it is large parts, precision products or plate components – we can **mould, weld, turn and mill** from you. We **chamfer, balance, trim** and take care of **surface treatment**.

Flexibility

Our strengths comprise of: Flexibility, an extensive production capacity and the exceptional expertise of work force. By subcontracting manufacturing **you can save on investment in your own plant and own expensively trained people**. Our workers and state of the art factory can undertake all this for you! On account of the great variety of machinery at our disposal we are able to manufacture precisely from simple components to the most complex parts requiring turning and milling.

New Production Facilities, up-to-date technology

Highest Quality Standards

You can count on the **first class quality of the products** we manufacture for you. This is not only under-pinned by our accreditation to the OM standard DIN EN ISO 9001. A multitude of other accreditations vouch for the high quality of production – for instance the HP-0 approval for pressure instrument manufacturing and the DIN EN ISO 3834 quality assurance in the case of welding procedures. The adherence to these standards is regularly checked by external assessors – one example being the TUEV. You and your customer can therefore be confident of high Made in Germany quality.



Certification

The following quality management accreditations and quality checks ensure the excellence of our production and thus of your own products:

- Quality management certification according to DIN EN ISO 9001
- Factory production control (WPK) in connection with the welding certificate according to DIN EN 1090
- Portable spectral analysis to record the chemical composition of iron materials
- Inspection testing accreditation in accordance with DIN EN 10204
- HP-0 approval in relation to DIN EN ISO 3834

(The HP-0 approval is required for the manufacture of pressure equipment -pressure vessels, pressure pipe work, boilers). The DIN standard regulates the welding process and the requirements of the work-force.



From raw material...

Our Scope of Service



Plate cutting

Plate is cut using the latest technology at our works using the machinery:

- **Plasma cutting plant** up to 13000 x 3050 x 150 mm thickness
- **Water jet cutting plant**
- **Impact cutter** up to 3000 mm long and 4 mm thickness

We have a multitude of plate and bar material in stock, **steel** in qualities S235 and S355 and **stainless steel** in qualities 1.4307, 1.4571, 1.4539 and 1.4462.



Bending

Re-shaping of plate and bar material is straightforward due to:

- **Folding press** up to 6000 mm length and 320 t press force
- **Plate roller** up to 3000 mm length and 16 mm thickness
- **Ring roller** up to 120 x 40 mm high edge
- **Plate roller** up to 2000 mm length and 4 mm thickness



Welding, repair and re-conditioning

Do you require large sized components? We can manufacture these for you in our large workshops:

- **Workshop 1:** 80 x 20 m with two 16 T cranes
- **Workshop 2:** 60 x 15 m with two 10 T cranes
- **Welding turn table:** up to 15 T



Milling – Turning – Chamfering – Balancing

This work is carried out with the most up-to-date plant including:

- **CNC Turning machines** up to 1625 mm dia and 3500 mm long
- **CNC Milling machines** up to 6000 mm long
- **Balancing** up to 300 kg
- **5 axis CNC machining** up to 60 mm dia
- **Thread tapping** from M10 up to Tr 36x6



Surface treatment

It goes without saying that all surfaces receive the most appropriate finish:

- **Sand blasting** - cabin 8 x 5 x 4 m, component weight up to 12 T
- **Pickling Plant** - 15 x 6 x 4.5 m, component weight up to 10 T
- **Surface grinding plant** - up to 1800 x 600 x 600 mm
- **Coating**

...to the finished article



From a works area in excess of 10,000 sqm we manufacture for the paper and chemical industries as well for environmental technology high quality and value products – from simple steel cutting to complete machinery and equipment.



The ingredients for success for us as a company are high quality, customized problem solving for new designs as well as for repairs and spare parts. This coupled with a high level of flexibility and short delivery times make us an in demand supplier in the most diverse industrial sectors around the world.



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Here you will find our associate company MARTIN LOHSE GmbH, valves, too.

