



**Business solutions for the industry**

# **Manufacturing of perfect workpieces**

- » **Job order production**
- » **Quality assurance**
- » **Milling processing**
- » **Heat treatment**
- » **Welding technology**
- » **Machining centres**

**Information**

# The Global KettenWulf Group



The core factory in Kückelheim, corporate headquarters and KettenWulf competence centre

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**Figure top left:**  
Warehouse in  
Kückelheim, Germany



**Figure top right:**  
Production and sales  
site in Ferlach, Austria



**Figure bottom left:**  
Production and sales  
site in Hangzhou, China



**Figure bottom right:**  
Warehouse and sales  
site near Atlanta, USA



As an internationally expanding company, KettenWulf represents quality, reliability and flexibility for more than 90 years. Since its foundation by the brothers Josef and Johannes Wulf in 1925 the company has been managed by the Wulf family.

Starting out as a manufacturer of articulated chains, it developed over nine decades into a modern global company whose heart and roots remain in the Sauerland region. More than 1400 employees develop, produce and distribute individual solutions in conveying and drive technology at nine locations in Europe, America, Asia and Australia.

The core factory at Kückelheim not only houses the corporate headquarters but also the KettenWulf competence centre. This looks after customers worldwide regarding technical queries.

With a production area of 30,000 m<sup>2</sup> and approx. 550 employees, Kückelheim is the largest production site of the KettenWulf Group worldwide.

Offering top product quality, KettenWulf is your local strategic partner anywhere in the world. Whether in the Sauerland, in Hangzhou, Sydney or Atlanta: With our global network we support you internationally. With global technical support and personal contact our employees support you all the way.

Trust, commitment and loyalty – those are the values KettenWulf lives as a family-run company. As a medium-sized enterprise our corporate structure is based on trust with strong personal relationships with both our customers and suppliers.

## Cross-industry expertise measured by one yardstick: Perfection.



As manufacturer, we are measured by the quality of the products that leave our production facilities. For continuous improvement of the product quality, state-of-the-art production facilities are indispensable. Thus, as technology leaders we are no exception and constantly expand and modernize our machinery.

In order to give you an insight into our business facilities we would like to present some of our machining centres to you in this brochure. We have the capacities required to manufacture almost all components „in-house“ leaving nothing to be desired with regard to processing.

With regard to the materials processed, too, there are almost no restrictions: There are also hardly any restrictions on the materials to be processed: Whether castings, non-ferrous metals, plastics or CrNi steels, with our modern machining centers we can produce your individual requests.

On the following pages you will learn more about other production procedures that are part of our day-to-day business, apart from chains and sprockets manufacturing.

## Job order production for various requirements

**Contract manufacture:**

Thanks to our diverse machinery, our product portfolio not only includes standard workpiece machining, but also offers all types of turning, milling and drilling operations as well as the welding of complex assemblies and their heat treatment. This enables us, for example, to produce gear parts for a wide range of applications.

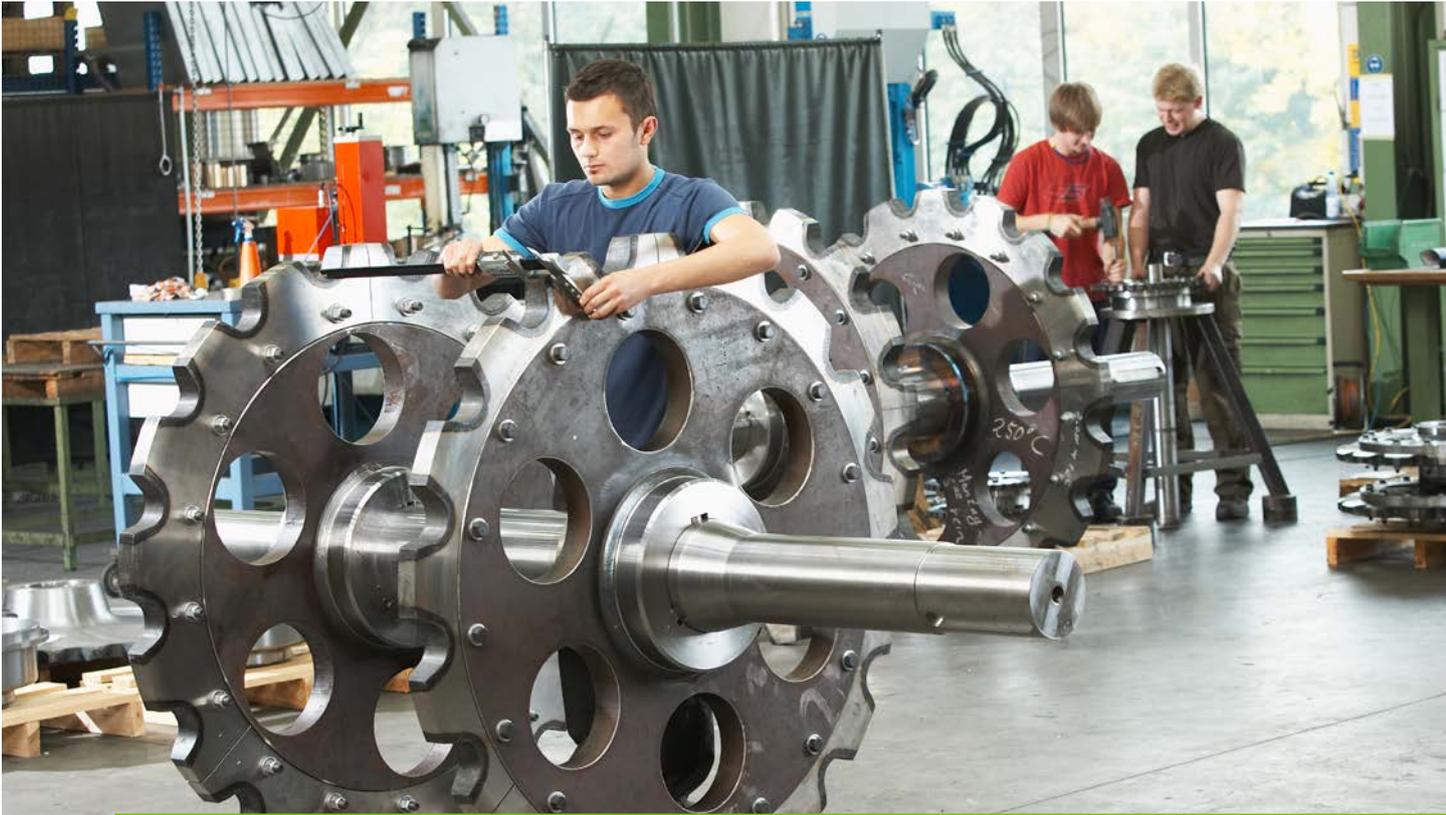
**Quality assurance:**

With regard to our products, quality comes first. Therefore the quality assurance process begins upon delivery of the raw material and only ends when the final product is delivered. If you want to have a workpiece processed that matches our manufacturing portfolio, convince yourself of the quality of our service. Our company is certified according to ISO 9001 and ISO 14001 and, in addition, our production processes are subject to state-of-the-art quality controls. For controls we use, e.g., a modern 3D measuring arm, we carry out material tests and integrate welding tests (certified in accordance with EN 1090 and ISO 3834) into the production process. Each step in the production process is subject to a specific control enabling us to provide a quality control process that spans the entire production process.



**High quality in every detail.**





## Single-source service...

### Turning and milling

Even complex workpieces with a length of 3,750 mm or a diameter of 1,020 mm do not pose a challenge for our 5-axis machining centres.

On our modern 5-axis turning and milling machining centers complex workpieces with a diameter of up to  $\varnothing 2,400$  mm and a maximum workpiece length of 3,750 mm can be processed. The maximum workpiece weight is limited to 7.000 kg. Even processing of CrNi steels pose no problem for our plants. And, of course, programming is done using modern CAD/CAM systems.

Examples of machining centres:

- » **DMG CTX gamma 1250 TC**
- » **DMG DMU 160P Duo Block**
- » **MAZAK INTEGREX e-670H II**



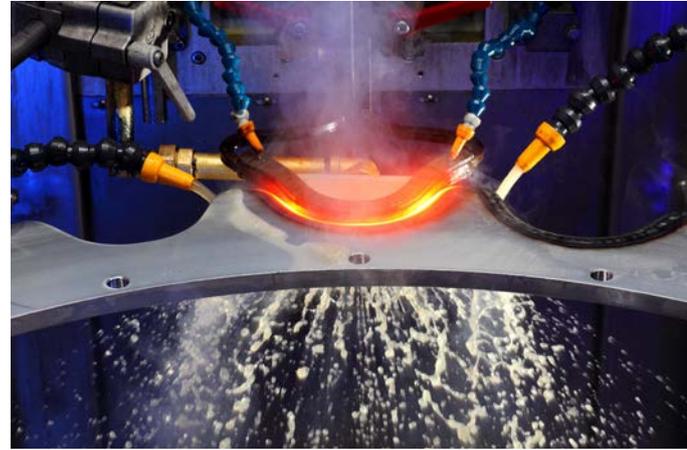
## Heat treatment

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Our in-house hardening shop includes a wide variety of quench furnaces for case hardening. In addition, different stations are provided for inductive hardening of workpieces.

This procedure can be applied to almost any workpiece as any geometry can be accommodated thanks to workpiece-specific conversions. Heat treatment provides the products with a wear-resistant surface.

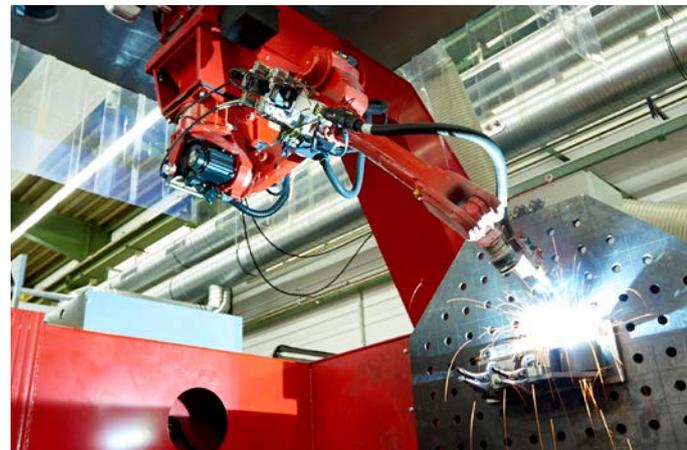
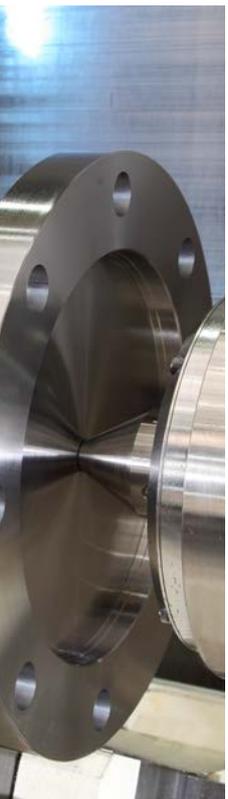
For extra high demands an additional refinement process can be inserted. Regardless of whether you need case or inductive hardening, we are able to carry out any hardening procedure you need for your workpiece. This not only ensures a smooth production process characterised by constant quality, but also reduces costs.



## Welding technology

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All welding work is carried out by our qualified employees carried out in house and by our trained welding engineers accompanied. The production takes place with most modern MIG and MAG processes. To achieve a to guarantee consistently high quality, set the we partly and fully robotized welding systems in the production process. Furthermore we are a certified according to DIN EN ISO 3834-2 and EN 1090 Specialist welding company.



## Insight into our machining centres



### Turning and milling machining center DMG CTX gamma 1250 TC

Our 5-axis milling and turning centre features a counter spindle for manufacturing of complex chuck sizes. In this centre, milling is carried out in only one setup and with a maximum turning diameter of 400 mm. Programming is supported by modern CAD/CAM systems.

**Turning and milling of a sprocket. Machining in only one setup, from the raw material to the finished sprocket**



## Universal Machining Center DMG DMU160P DuoBlock

Complex milling workpieces can be machined in this modern 5-axis universal machining center in only a few clamping operations. The table can handle loads of up to 4.000 kg. This machining centre is, too, controlled by our modern CAD/CAM systems.



**Milling of workpieces  
with a maximum dia-  
meter of 2,400 mm**

Turning and milling  
of workpieces with a  
maximum length of  
3,750 mm and a dia-  
meter of 1,020 mm

## Turning and milling machining center Mazak Integrex e-670

This machining centre allows for 5-axis turning and milling of complex workpieces of any kind. It delivers cutting capability across a range of various materials for workpieces with a maximum weight of 7,000 kg. Programming is supported by modern CAD/CAM systems.



Drive shaft with tape-  
red external thread  
and various cross  
machining demands





**Please contact us:**

We are looking forward to machining your workpiece – competently and reliably.

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