

Perfect components for your success.

Competence. Reliability. Precision.

Components
for every
requirement.

The **competence** for components.

We have guaranteed the highest quality in our machine tools for more than 140 years – and thus also the highest quality in the manufacturing of components.

GILDEMEISTER **energy solutions** offers innovative system solutions for the generation, storage and use of renewable energy to industrial customers and major investors. In the **Components** division, we manufacture high-precision components for customers in many industries, including wind energy. These customers benefit from more than 140 years of know-how from the DMG MORI SEIKI Group in machine construction, while the **Components** division also has many years of experience and numerous

references from all over the world. The excellent quality and high reliability of **Components** is appreciated by customers in industries including machine construction and special machinery construction, the innovative energy industry and the construction machine industry.

For more than 25 years, our components manufacture has been characterised by quality, adherence to delivery dates and precision.



Many years of experience in machine construction

YOUR BENEFITS

- Individual consultation services for product optimisation
- Full-service offer across the entire process chain – from the design drawing to manufacturing and final assembly
- Selection of suitable unfinished part suppliers
- Process engineering know-how
- Worldwide parts supply, synchronised to production



Individual all-round support and tailor-made solutions

Precision in large components.

Our experience over many years as part of the DMG MORI SEIKI Group enables us to manufacture components for machine tools according to individual customer requirements.

We manufacture sophisticated modules for leading machine construction companies and thus significantly contribute towards the development of machines at our customers. All phases, from precision measurement technology to exact recording and testing of the technical characteristics, are consistently and competently implemented by us. As a

partner to the supplier industry, **Components** disposes of unique process engineering know-how in casting. Our complex components and modules comply with the highest quality demands. For many years, we have provided large casting components weighing tons to a wide variety of industry sectors.



Headstock
400 kg / 800 x 700 x 650 mm



Machine stand
2,500 kg / 2,000 x 1,800 x 900 mm



Machine table
210 kg / 800 x 630 x 140 mm



Machine base
4,570 kg / 3,500 x 1,500 x 500 mm



Machine carriage
700 kg / 1,800 x 700 x 500 mm

MACHINE TOOL CONSTRUCTION COMPONENTS

- Manufacture of mounted modules
- Precision measuring technology, including recording and testing
- Holistic quality management
- Process engineering know-how

Know-how in energy components.

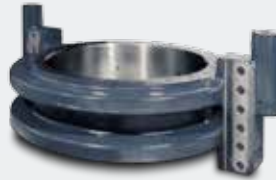
Like the sun, the wind is an inexhaustible source of energy. This makes it the focal point for future power generation.

Wind power has now become a significant contributor for environmentally friendly power generation. The Components division of GILDEMEISTER energy solutions is among the leading manufacturers of bearing housings in the field of wind energy. During inspection of materials and welding seams we comply with the highest quality demands.

Corrosion protection is guaranteed during the application of coating materials or in coating thickness measurement after curing by means of temperature and humidity checks. Our comprehensive quality documentation records all checks. Therefore our customers need not incur costly goods-receiving tests.



Pitch bracing element
up to 10,000 kg / up to \varnothing 4,000 mm



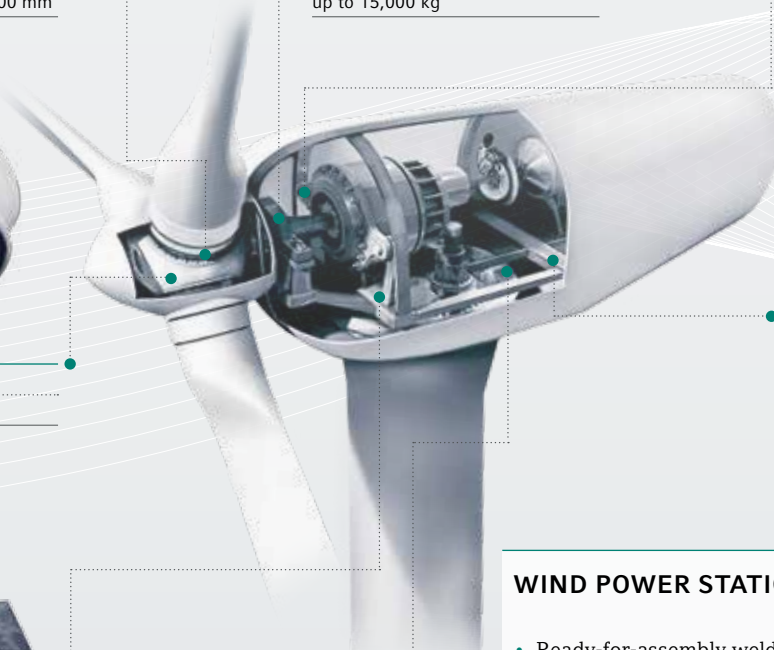
Rotor bearing chassis
up to 15,000 kg



Seal kit
up to \varnothing 5,000 mm



Rotor hub
19,000 kg



Generator stand
32,000 kg



Machine stand
32,000 kg



Azimuth brake disc
up to 4,000 kg / up to \varnothing 5,000 mm

WIND POWER STATION COMPONENTS

- Ready-for-assembly welded constructions, fully machined
- Graphite cast iron castings (EN-GJS-18U-LT or GGG40.3) with high notched bar impact strength (also at low temperatures – CCV at -40°C)
- Forged drive shaft, made of tempered alloy steels
- Our diverse product range of components complies with all necessary manufacturing qualifications and approvals, including regular inspections by SLV, TÜV and GL.

Quality machine components.

The results of our work have distinguished themselves for many years with maximum precision and high quality standards – in our own operations and at our customers.

Our project engineers can look back on many years of experience in machine construction and therefore speak the same language as you do. We provide individual solutions for your components for a multitude of industries: e.g. construction machines or crane construction, plastics

processing and paper machines, transmissions, steel and metal construction, measuring and special machines, parts for electrical switching systems and even sailing yachts. You can also find our components in forklift trucks, wheel loaders and other handling vehicles.



Counterweight

5,500 kg / 2,400 x 1,370 x 870 mm



Components for roof frames

75 kg / 1,260 x 490 x 245 mm



Flange

2.18 kg / ø 170 x 38 mm



Axle shaft

320 kg / length: 1,288 mm



MACHINE CONSTRUCTION COMPONENTS

- Coordination of the entire production chain
- Precision work through high quality standards
- Individual solutions for a multitude of industries
- Project support by experienced project engineers

We are part of your success.

With our machine construction know-how, we guarantee our customers in many industries maximum precision and reliability. Contact us!

Customer satisfaction comes with many names



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All information here!

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