



Multi-faceted and flexible production: Vogelsang Mechanical components

Maximised flexibility as regards manufacture of mechanical components and modern equipment allow us to undertake wide-ranging repairs. Vogelsang is able to carry out all the tasks associated with mechanical drive technology. And this can only be to your benefit. Look for yourself:

Areas covered:

- Overhaul and repair of gearboxes of all kinds, whether planetary or pinion type
- Refurbishment of continuous casting rollers: From new bearings and surface treatment up to overhaul of the cooling system
- Manufacture of replacements and components according to drawings or samples
- Manufacture of blanks using water jet cutting
- Balancing of rotating parts

Capacity in the Bochum facility

Our comprehensive range of machines and equipment are one side of the equation, the use of modern manufacturing techniques the other. And the experience and training of our workforce provides unique expertise in the expert manufacture of a wide variety of parts.

• Equipment,

- Centre lathes from 50mm to 2040mm turning diameter and workpiece weights up to 40to
- Drills with tables 1200mm x 1000mm (x=1250, Y=950, z=1000, spindle diameter =90mm)
- Automatic commutator saws
- Balancing machines up to 3200 rpm, 10.000kg workpiece weight, diameter 2140mm and a length of 4480mm
- Water jet cutting table: Table dimensions: 5000mm x 3000mm with two cutting heads



- **Methods,**

- Medium-frequency solder plant for inductive hard soldering of shading coils
- Plasma cutting
- Build-up welding and low-wear reinforcement
- Powder coating for metal (NiFe and NiFe-free) and ceramics

- **Qualifications,**

- Minor welding certificate (proof of suitability)
- TIG welding
- MAG welding
- Aluminium welding
- Cast-iron welding
- Stainless steel welding certified according DIN EN 18800-7 and DIN EN 15085-2



Welding and repair on site

Installation and disassembly are the typical services which we provide on site within the mechanical side of our business. Expert and competent like everything from Vogelsang. This is what we offer:

- **Disassembly and assembly work**
- **Steel construction**
- **Plant and pipeline construction**
- **Plant alignment**
- **Laser surveying of foundations and plant in 2 and 3 dimensions**



Areas of work:

- Motors & generators
- Transformers, special coils & magnets
- Pumps & pumping stations
- Fans
- Service & Diagnosis
- Mechanical components
- V + A Service for combustion engines, stationary and on ships
- Service on wind power plants

24-hour service

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