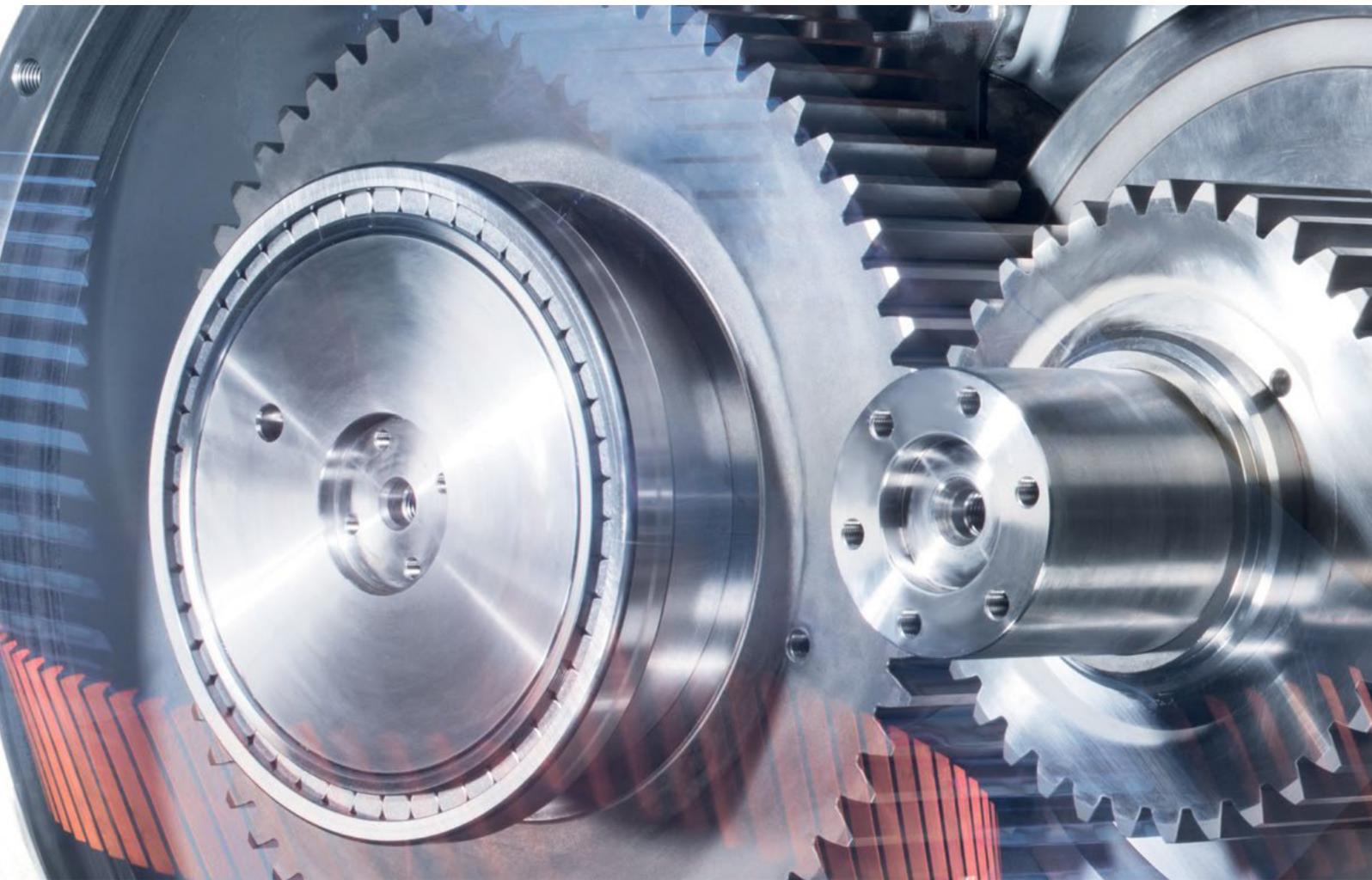




Wolfgang Preinfalk GmbH

Solution specialists for gear technology, gear and complete drive units





St. Ingbert - Germany

About us

We are an independent solution specialist for gear technology, gearboxes and complete drive units. Almost all of the work steps in the value-added chain of the manufacturing process are performed in-house at our headquarters in St. Ingbert.

Your benefit

- Independent R&D department
- State of the art machinery
- Usage of material with European certificate of origin
- High requirements for the material quality of casted components, shafts and gearing components
- Own heat treatment shop
- Polished running gears of not less than quality 5
- Usage of FAG, SKF and NSK quality bearings
- Temper etching test
- Worldwide sales and service network

Expertise

- Development and design
- Consulting and engineering
- Procurement of high-quality, certified material
- Manufacturing, assembly and test bench run
- Installation, instruction and training

Certification

- Certified according to DIN ISO 9001: 2008
- Cooperation with all major classification societies:
DNV GL, LR, BV, CCS, RS
- Certification for use in hazardous locations:
ATEX, MA, GOST

Service & After Sales

- Experienced and trained technicians are active worldwide
- Inspection and damage diagnostics
- Preventive solutions
- Upgrades and modifications
- Spare parts stockage

Preinfalk
Video Tour





Milling & Drilling work

Drilling work processing

Ranges:

X-Axis	3,000 mm
Y-Axis	2,000 mm
Z-Axis	1,500 mm
W-Axis	600 mm
A-Axis	360 °
Table dimension	1,800 x 1,600 mm
max. Unit weight	12,000 kg

Portal milling

Ranges:

X-Axis	3,000 mm
Y-Axis	1,600 mm
Z-Axis	1,350 mm
Round table - Ø	500 mm
max. Unit weight	6,000 kg

Machining centre

Ranges:

X-Axis	1,050 mm
Y-Axis	995 mm
Z-Axis	1,020 mm
Table dimension	630 x 630 mm
max. Unit weight	6,000 kg

Turning

Turning, horizontal

max. Turning diameter (over cross slide)	730 mm
max. Turning length	3,020 mm
max. Unit weight	6,000 kg

Turning, vertical

max. Turning diameter	1,800 mm
max. Turning height	1,200 mm
max. Unit weight	8,000 kg

Gear cutting

Roll jointing

max. work piece diameter - Ø	1,600 mm
max. gearing width (Gearing width on request)	350 mm
max. module	m = 20

Roll milling

max. work piece diameter - Ø	1,600 mm
max. gearing width	1,000 mm
max. module	m = 30
Table - Ø	1,250 mm
max. table load	10,000 kg



Case hardening

Certified according to DNV GL, LR, BV, CCS, RS

4 Shaft furnaces

max. load (including frame) 10,000 kg

1 Tempering furnace

max. load (including frame) 10,000 kg

1 Quenching bath (Polymer bath)

1 Shot-blasting machine

max. load 3,000 kg

Hard turning

External cylindrical grinding

max. external diameter - Ø 485 mm

Peak length 4,000 mm

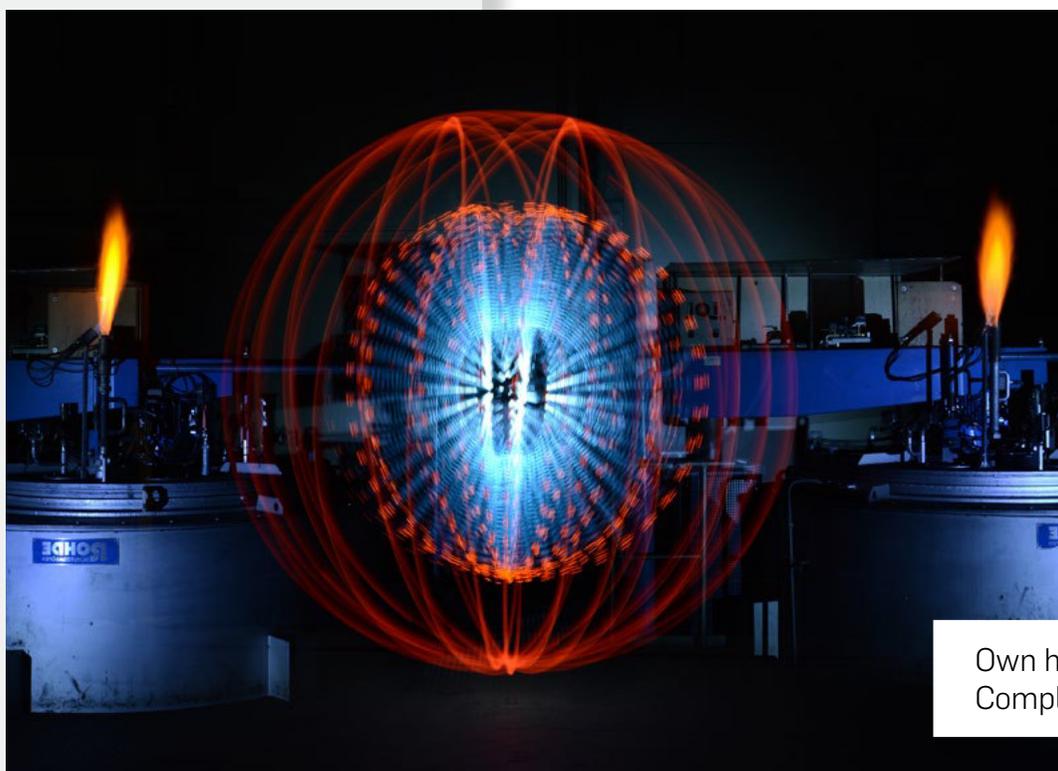
max. Unit weight 1,200 kg

Internal cylindrical grinding:

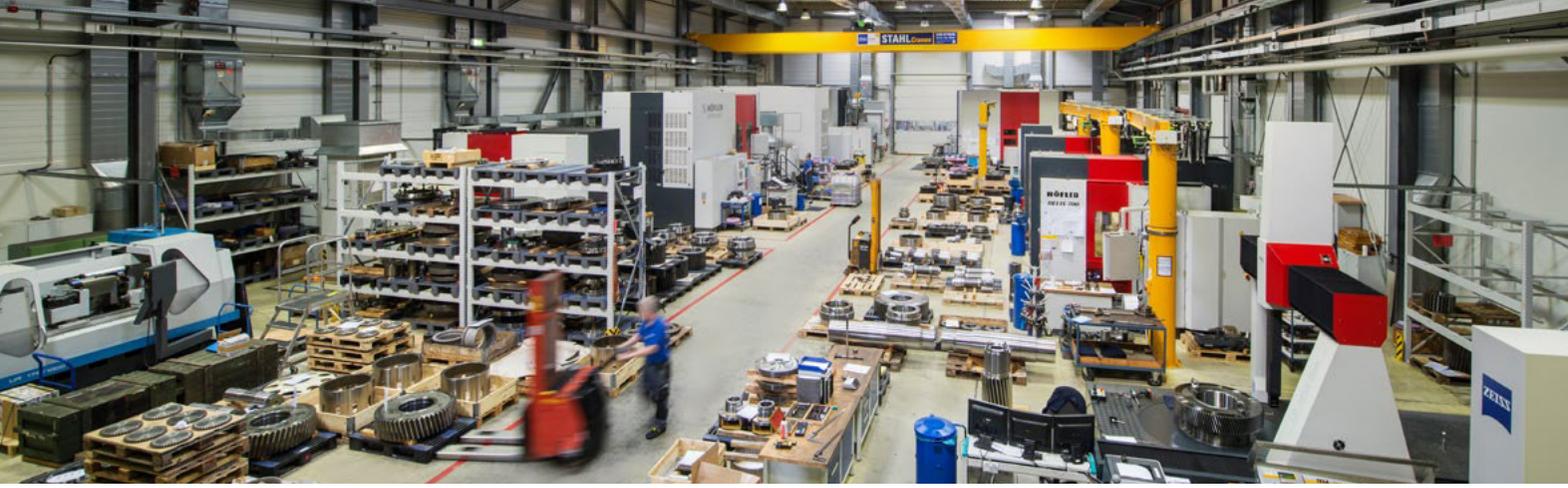
max. internal diameter - Ø 270 mm

Swing diameter - Ø 550 mm

max. grinding depth 250 mm



Own hardening shop
Complete quality control



Tooth flank grinding

min. root diameter - Ø	10 mm
max. external diameter - Ø	1,500 mm
Smallest module	m= 5
Largest module	m= 35
max. helix angle (ri./le.)	45 °
max. gearing width	1,000 mm
min. table load	100 kg
max. table load	6,000 kg

Quality assurance

CNC-Gear wheel measuring machine

Ranges:	
X-Axis	1,500 mm
Y-Axis	4,000 mm
Z-Axis	1,200 mm
max. external diameter - Ø	1,500 mm
max. table load	3,500 kg

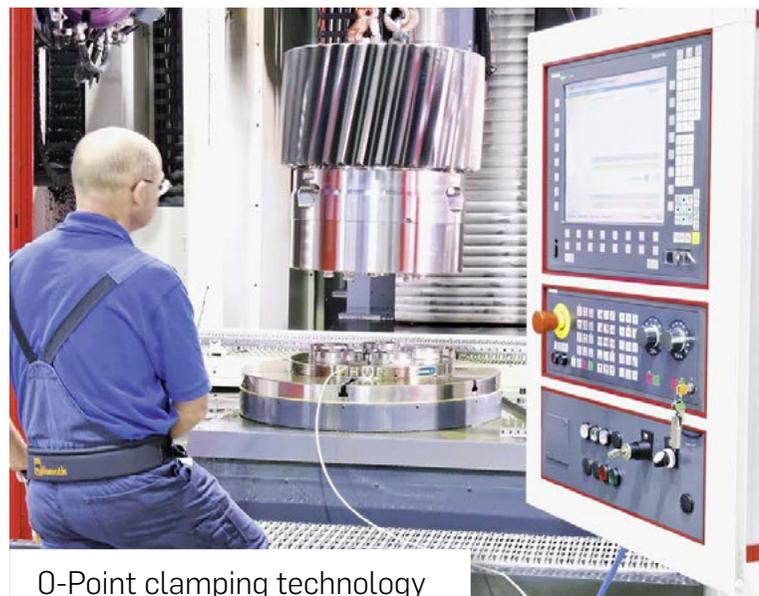
Temper etching test (Nital-etching)

According to US Standard ANSI /
AGMA207-B-92

Basin dimension	1,700 x 1,700 mm
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Multi-function grinding

max. external diameter - Ø	1,250 mm
min. internal cylindrical diameter - Ø	300 mm
max. external cylindrical diameter- Ø	500 mm
Largest module	m= 35
max. gear width at $\beta=0^\circ$	980 mm
max. table load	6,000 kg



0-Point clamping technology
Multi-function grinding
Exactness 5 μ

Gear assembly

Overhead cranes	2 x 25 t
Gearbox testing bench	
Inverter technology	140 kW



Our business segments

Gear manufacturing

- Industry
- Steelworks
- Mining
- Shipping

Tooth gear production for OEM

- Wind energy
- Engines for vessels

High-pressure pump systems

- Industry
- Longwall hydraulics
- Jetting / cooling

Drive systems

Modular structured system solutions:

- Gears
- Coupling/brake system
- Motor

Spare parts

- Own- and external gears
- Longwall hydraulics
- Jetting / cooling

Our sales team is looking forward to your queries.

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