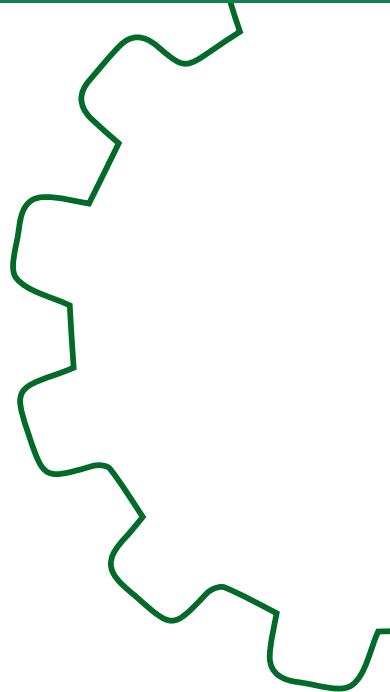




**OUR TECHNOLOGY  
DEVELOPS AND REALIZES  
YOUR IDEAS!**

Our Global Sourcing helps you save!  
The Kownatzki Technology Network.

[www.kownatzki-technology.com](http://www.kownatzki-technology.com)



## From Subcontractor to global Network

For over 20 years I was General Manager of a gear company and for 11 years I was president of a subcontractors Association (AKZ- Baden-Württemberg e.V.).

Since 2009 the market for subcontractors has changed dramatically. The globalisation of purchasing makes innovation in products more important than ever. Many companies can make standard gears but the pressure is on to make quality products when costs are so high. This is where many German subcontractors have problems as they cannot deliver the quality customers seek and still make a profit.

Today the customers are not only looking for a pure subcontractor, they are looking for a partnership regarding consulting, engineering, design and technology. That is why I founded Kownatzki Technology:

A company that specialist in consulting of medium sized and family owned companies, and delivering sophisticated parts out of the mechanical engineering.

A Network of more than 100 specialised companies is supporting us.

Kownatzki Technology and our experienced product managers are coordinating the network and the customer projects.

The basic Idea is: Together we are successful in international projects. The Customer is able to source his parts globally with just one experienced contact person.

**As a team we are able to engage globally –  
Alone we can only act on a regional basis!**

For more information  
we will be available for you



**Michael Kownatzki**

Kownatzki Technology

## Our Team of Experts:

- Specialists in Market Research
  - Consulting and engineering of gears and mechanical parts
  - Competence in Heat-Treatment
  - Competence in Materials
  - Competence in manufacturing technologies
- 

## Our basic idea

- No manufacturer is able to cover everything
- Get one single, but competent partner
- We take the strength of our selected partners/manufacturers and let them work for you
- We are coaching the projects

## You Benefit From:

- Quality
- Communication
- Competence
- On-time delivery

**Our Global Sourcing helps you save!**



CONSULTING



PROJECT MANAGEMENT



NETWORK

## CONSULTING

Why invent the wheel a second Time?

Kownatzki Technology is consulting medium sized, family owned companies.

We are focused on:

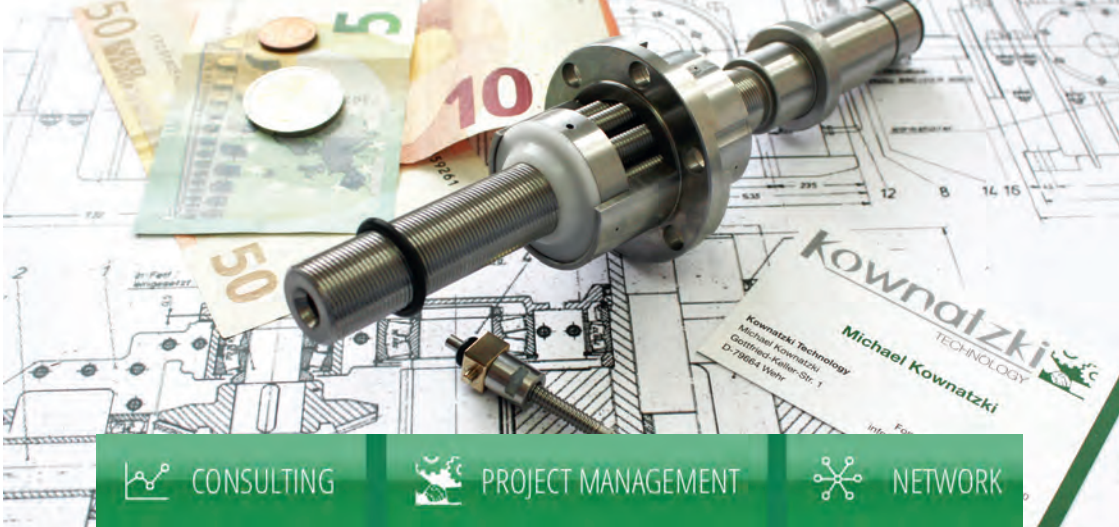
- Purchasing of complex and sophisticated parts
- Sales  
(organisation, developing new markets or increasing existing business, marketing and much more)
- Improving your internal processes in organisation and manufacturing

Because we have extensive experience, we are able to set up quick and efficient solutions.

If you need support, do not hesitate and call us!

Take advantage of our Experience!





## PROJECT MANAGEMENT

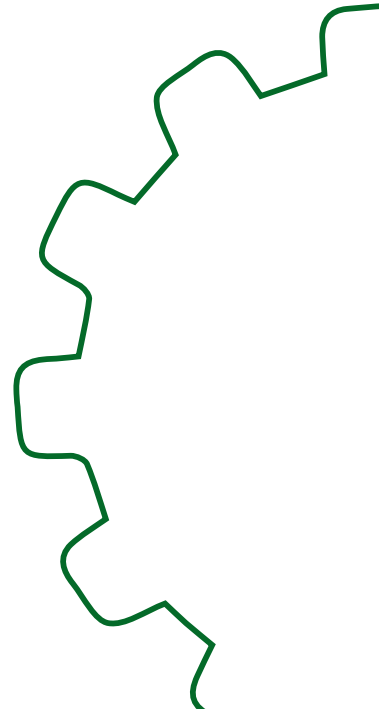
There is more than just consulting;  
we care about your products!

With our knowledge in

- Technology,
- Manufacturing
- Subcontracting

We offer you support in:

- Bringing your prototype into serial production
- Outsourcing of parts within your purchase
- Repair and Rebuild





## Bringing your prototype into serial production

As specialists in technology, we take care of your projects and deliver success!

- We take your sketches
- upgrade them to serial standard
- evaluate different production technologies
- set up the supply chain with your target price in mind

We develop and realise your ideas!

---

## Outsourcing of parts within your purchase

### Our business on project base:

We support your Buyers, i.e. in buying of most complex and sophisticated parts. Save money in Assembling through our extensive experience.

We take care of your parts from the enquiry up to delivery.

We give technical support and connect designer and manufacturer.

### Purchasing:

Bottleneck purchasing - Are your projects getting out of control?

We can support you with our network of over 100 Specialists worldwide.

No matter if consulting, engineering or delivery time is needed.

Benefit from over 20 years of experience!



## Repair and Rebuild of Gears and Transmissions

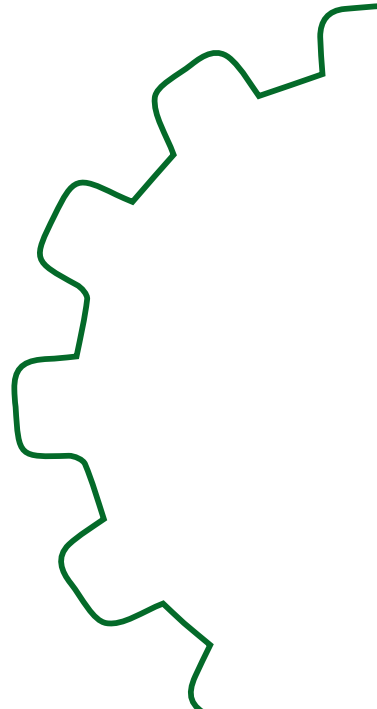
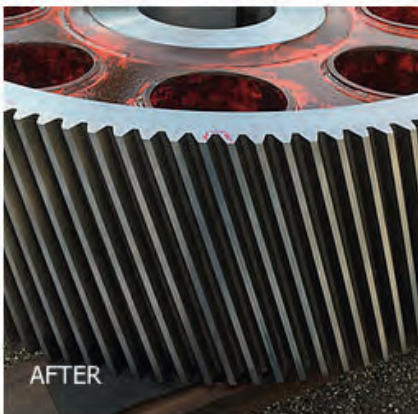
### Gears and Shafts:

We manufacture according your specifications or against a sample of all used parts within the gearbox. Of course with full supporting documentation. Then we will rework the big gear and manufacture a new counterpart respecting the center distance. Your benefit: You save costs with same quality and function.

### Transmission:

We repair all kind of gearboxes up to 20 t in weight.

Our service includes pick up, repair and delivery. Optional we offer disassembling and assembling on site. Testing and Documentation are included.





CONSULTING



PROJECT MANAGEMENT



NETWORK

## NETWORK

The Kownatzki Technology Network

One contact gives you access to more than 100 specialists worldwide!

Our partners are specialists in:

- Steel Casting
- Milling & Turning
- Crown Gears
- Gears and More
- Planetary Roller Screws
- High Precision Miniature Ball Screws
- Subassemblies

[www.kownatzki-technology.com](http://www.kownatzki-technology.com)



Steel Casting



Milling & Turning



Crown Gears



Gears and More



High Precision  
Miniature Ball Screws



Planetary  
Roller Screws



Subassemblies



## Steel Casting

Up to 100 tons  
Including manufacturing or without

Including all testings and certificates

Also steel casting in centrifugal casting process in the dimensions:

- Ø 800 x 6.000 mm length
- Ø 1.700 x 2000 mm length

For more information ask for our separate brochure!



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## Milling & Turning

### Turning Manufacturing

Beginning from Ø 5 – Ø 400

All current materials

Feed trick parts

Long short automatic lathes

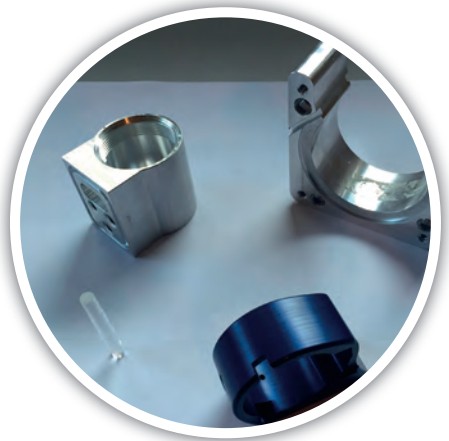
Multi-Spindle, round tact machines

Trick Mill treatment / Pinole / counterspindle

Measuring element exactness from 0,005 mm

Control, programming about systems CAD/CAM

According to DIN 9001 / 16949 / 9100



## **CNC Milled Parts**

100 g – 250 kg in cubic dimension.

All materials of wood, aluminium up to the high grade alloy steel.

Measuring element exactness from 0.01 mm.

Control, programming about systems CAD/CAM.

NC / CNC steered from 3-Axis to 5-Axis simultaneous treatment.

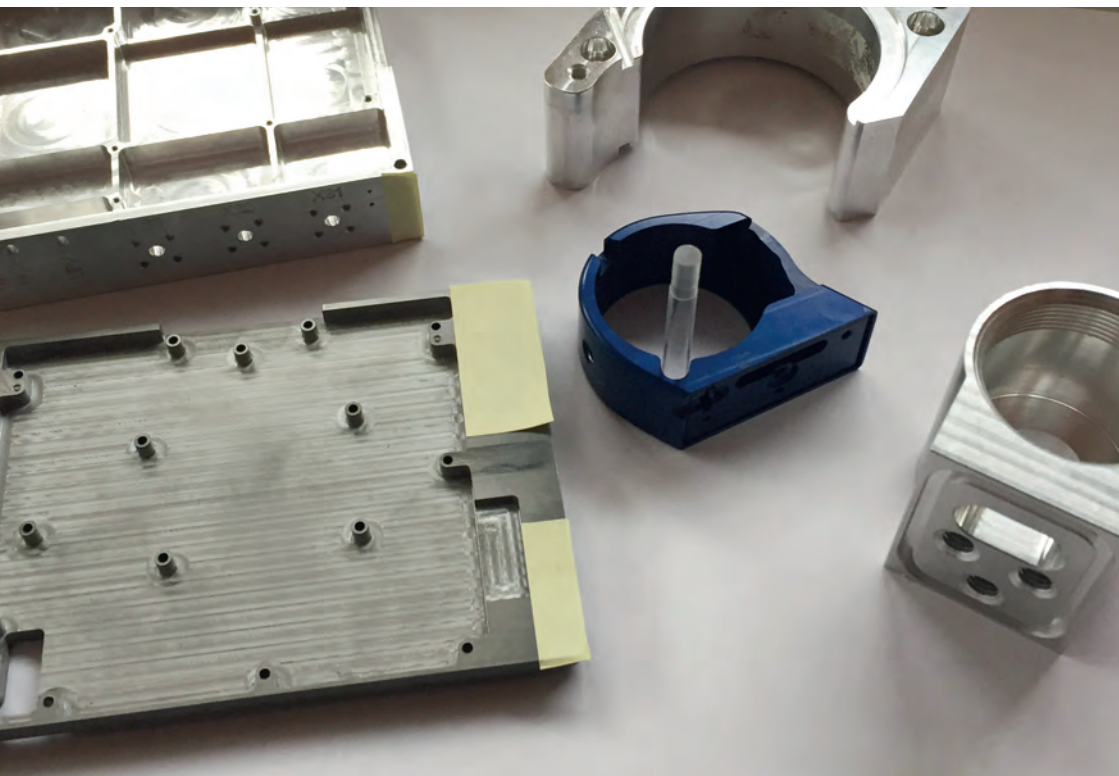
HSC (High-Speed-Cutting) Treatment.

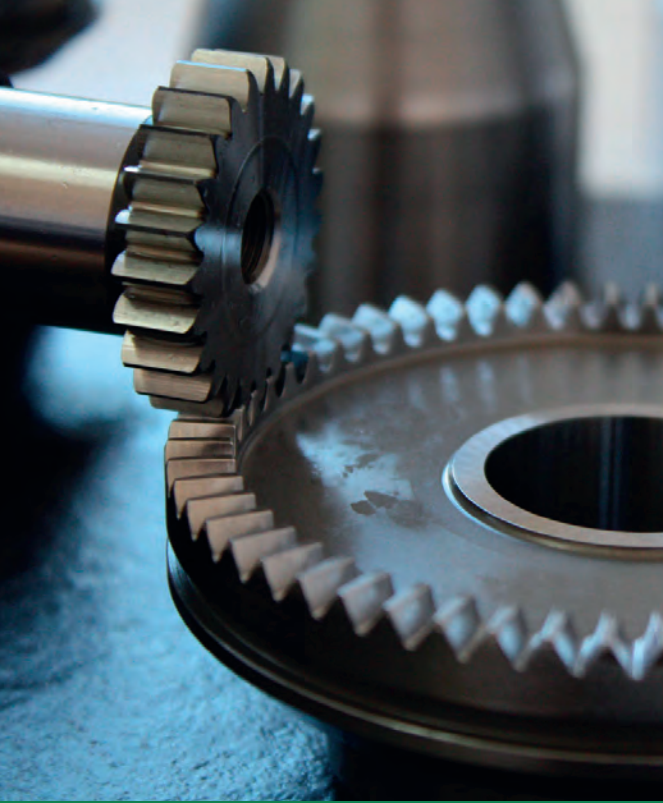
Mill treatment up to 4000-mm length.

Trick Mill treatment.

According to DIN 9001 / 16949 / 9100

**We offer you the full scope of mechanical manufacturing!**





## Crown Gears

We can deliver all kind of Crown Gears:

Straight or helical  
Up to quality DIN 6  
Including consulting,  
engineering and manu-  
facturing

## Gears and More

### Gears

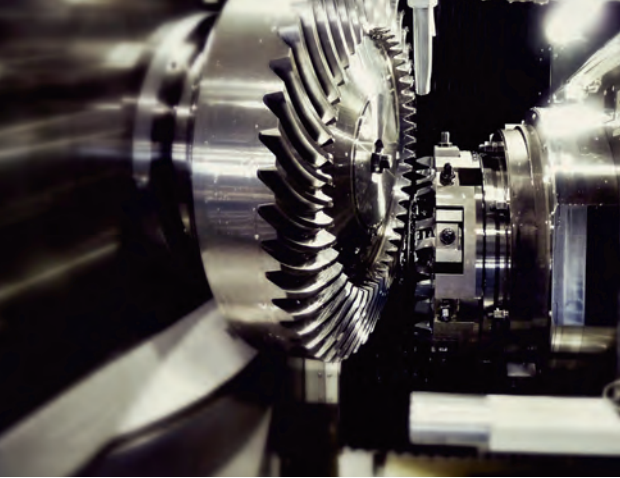
Ø 20 mm up to Ø 20.000 mm  
Spur, helical, Double Helical, Herringbone  
Ground teeth down to modul 50  
From one piece to serial production  
Consulting, engineering and manu-  
facturing

### Micro Gears

Ø 2 mm up to Ø 20 mm  
Spur, helical, Double Helical  
Ground teeth down to modul 0,4  
From one piece to serial production  
Consulting, engineering and manufacturing







### **Worm gear sets**

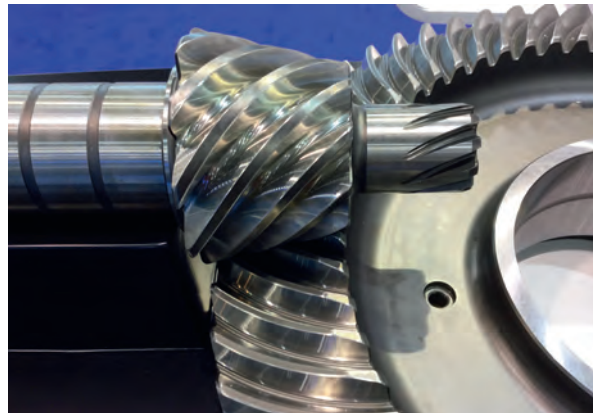
Ø 2mm up to Ø 4.000 mm  
In ZK, ZI, Duplex  
Consulting, engineering and  
manufacturing

Sprockets, Keyways, Keyseats  
no problem!

Just send us your inquiries!

### **Racks**

From module 0,3 up to module 100  
Up to 100 tons  
One piece length max. 15.000 mm  
Spur, helical, Double Helical,  
Herringbone

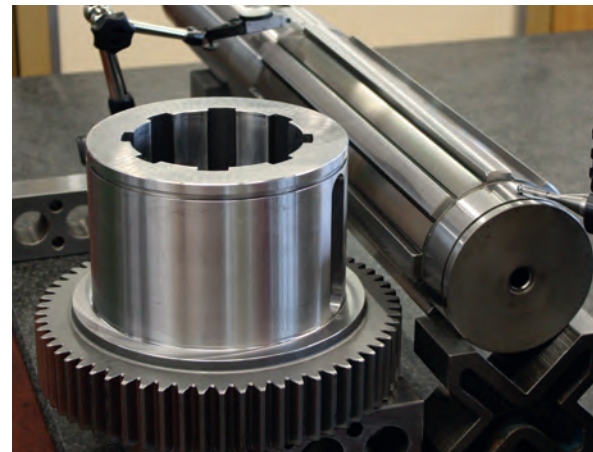


### **Straight bevel gears**

Spur bevel gears up to Ø 2500 mm  
lapped  
Ground up to Ø 400 mm (Modul1-6)  
Consulting, engineering and  
manufacturing

### **Spiral Bevel Gears**

Lapped up to Ø 2500 mm  
HPG Klingelnberg up to Ø 2500 mm  
Spiral Ground teeth up to Ø 1000 mm  
Gleason or Zerol also available!  
Including consulting and engineering  
with all certifications



# Planetary Roller Screws

## Energy efficiency at its best!

Replace your hydraulic system with an electric driven actuator!

Main features of roller Screw:

- High dynamic load capacity:  
10 times of ball screw
- Higher Speed and acceleration:  
3000 rpm at screw  $\varnothing 45$ , 12000 rad/sec<sup>2</sup>
- Long life and low maintenance cost:  
18 times of ball screw
- High stiffness
- No oil leaks any more
- Low maintenance costs
- saving costs at assembling and in the total system
- update your technology

Main Elements: Multistart main screw, nut and planetary roller screws

## Accuracy grade:

Tolerance class / Lead accuracy

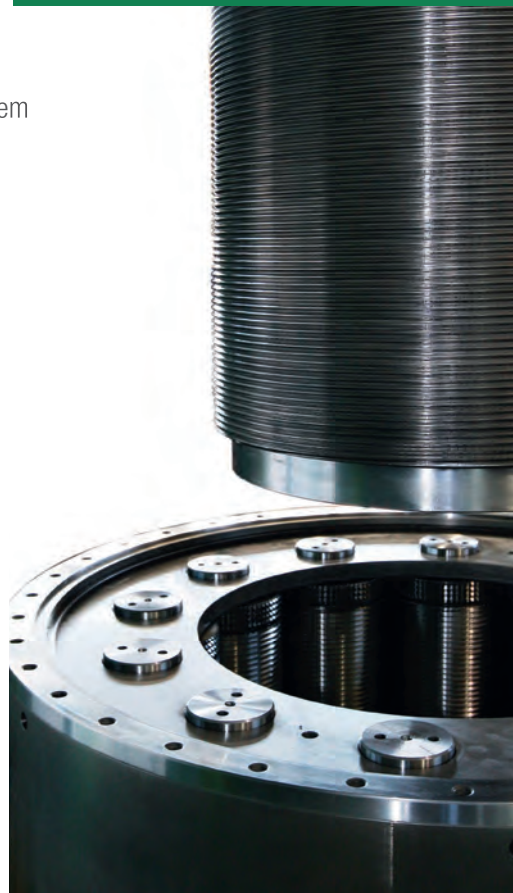
G1 0,006mm / 300mm

G2 0,012mm / 300mm

G3 0,020mm / 300mm

G5 0,024mm / 300mm

At the moment we have Main Screw  
Diameter from  $\varnothing 5$  mm to  $\varnothing 1000$  mm  
But ... We have no limit in size!

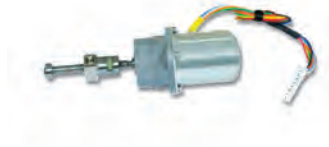




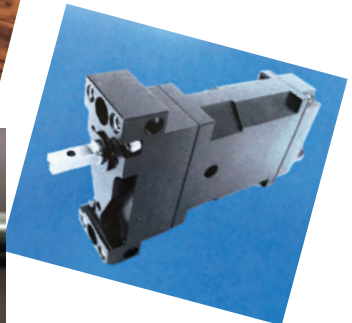
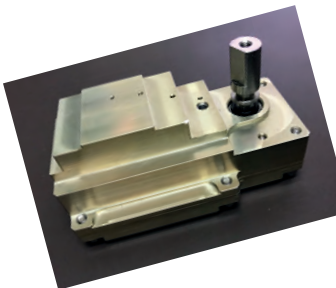
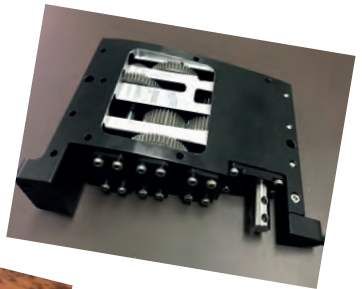
# High Precision Miniature Ball Screws

from  $\varnothing$  3 mm  
Accuracy grade C3 – C7  
Axial clearance 0 – 0,005 mm  
All materials

Engineering according your needs possible



## Subassemblies



# The Kownatzki Technology Network

Our Global Sourcing helps you save!



## CONTACT

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[www.kownatzki-technology.com](http://www.kownatzki-technology.com)