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Certified by



DIN EN ISO 9001

ISO/TS 16949

ISO 14001

ISO 13485



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Erich Lacher Präzisionsteile®



Your innovative and effective business partner

Welcome to the world of precision

Since 1925 our family business has specialized in metal processing and precision engineering. As a result of more than 80 years of experience combined with innovative spirit we are, today, with 176 employees one of the leading companies in our business – and there are good reasons for that:

Innovation – essential for future business

Thanks to high-qualified staff and a constant investment, Erich Lacher Präzisionsteile is well-known all over the world. Due to the company's continuous growth, the jobfloor was increased in the past few years by an additional production space up to 6.700 sqm on total.

Reliability – promises are kept

Lacher is the mass production specialist for precision parts such as turned parts, pinions, worm gears and small gear boxes. Flexible manufacturing processes with latest CNC-machining centres and high-performance cam-controlled machines are at your disposal. We guarantee large manufacturing capacity and reliable delivery dates.

Flexibility – secures competitive advantage

With knowhow, flexibility and modern technology we will find an optimal solution for your requirements.

Quality – our tradition

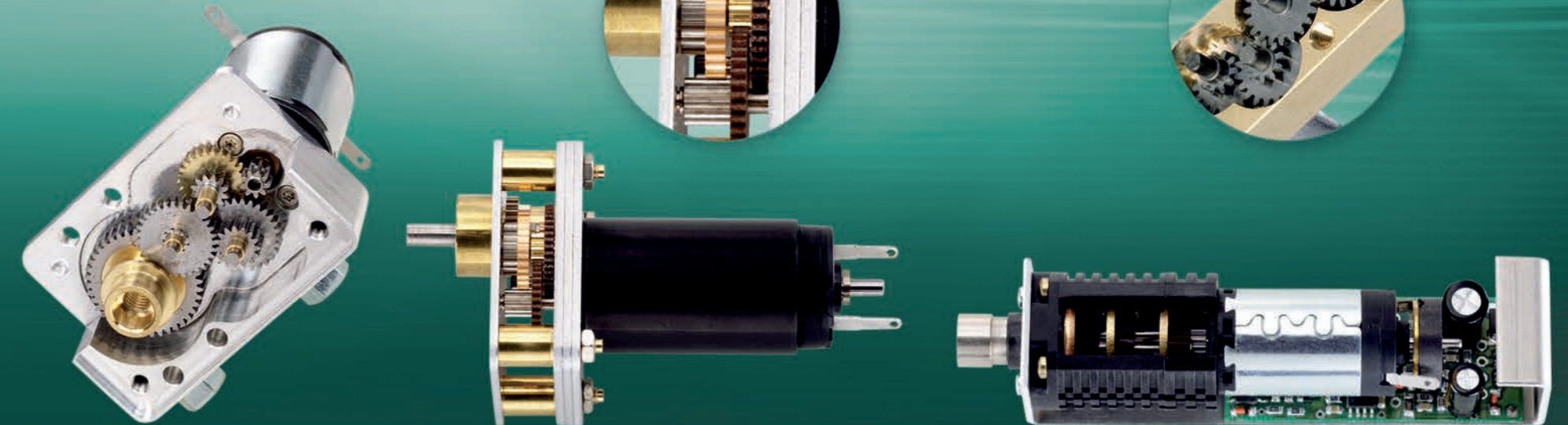
A consequent quality management has been implemented in the whole company. All working processes are certified and documented in detail. Internal and external audits ensure the high level of our quality system.

Precision – the basis for success

Lacher stands for precision up to the very detail. Test us – we are looking forward to your inquiry.

Small gearboxes Innovative and powerful!

- Drives and gears made from composite materials such as fabric-base laminate, free cutting steel and stainless steel
- Brass alloys of all kinds, aluminium, copper and bronze alloys
- Gear-tooth components starting with tooth number 6 and up to 40 mm in diameter
- Single and multiple gear speed design with raw material fitting
- Prototypes and serial assembly
- Endurance and climate tests (without noise)



Nowadays, gearboxes are key components for effective solutions in the areas of building services engineering and room design, medical applications, automotive industry, safety engineering, optoelectronic industry and model construction. From the initial design of drives to the dimensioning of combined gear grades, from production to final assembly – Erich Lacher Präzisionsteile will be your supplier.

Turned parts Precise and divers!

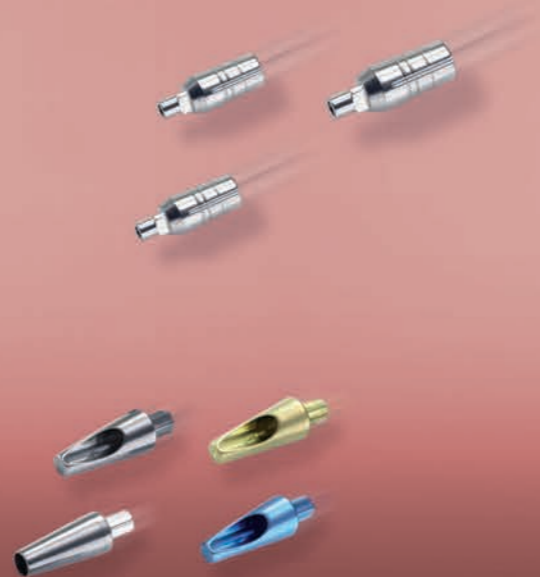
- Workpiece diameter up to 40 mm
- Free cutting steel, stainless steel, high-speed steel and brass alloys of all kinds
- Difficult to machine materials such as chrom alloys (case hardening steel)
- Aluminium, copper and bronze alloys, titanium
- Middle and large sized serial production in multiple shift operation
- 100 % camera checking and eddy current tests, if required



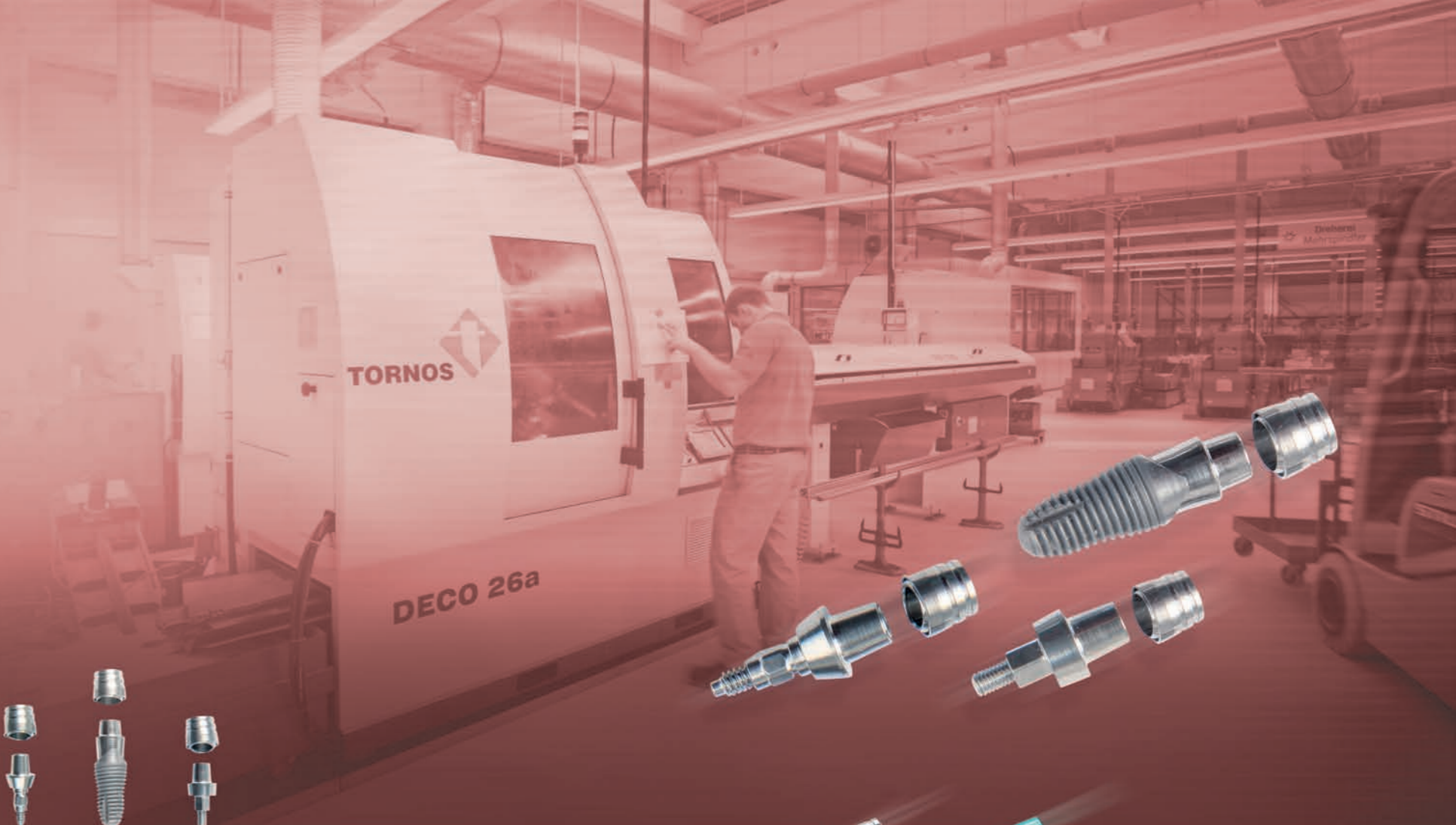
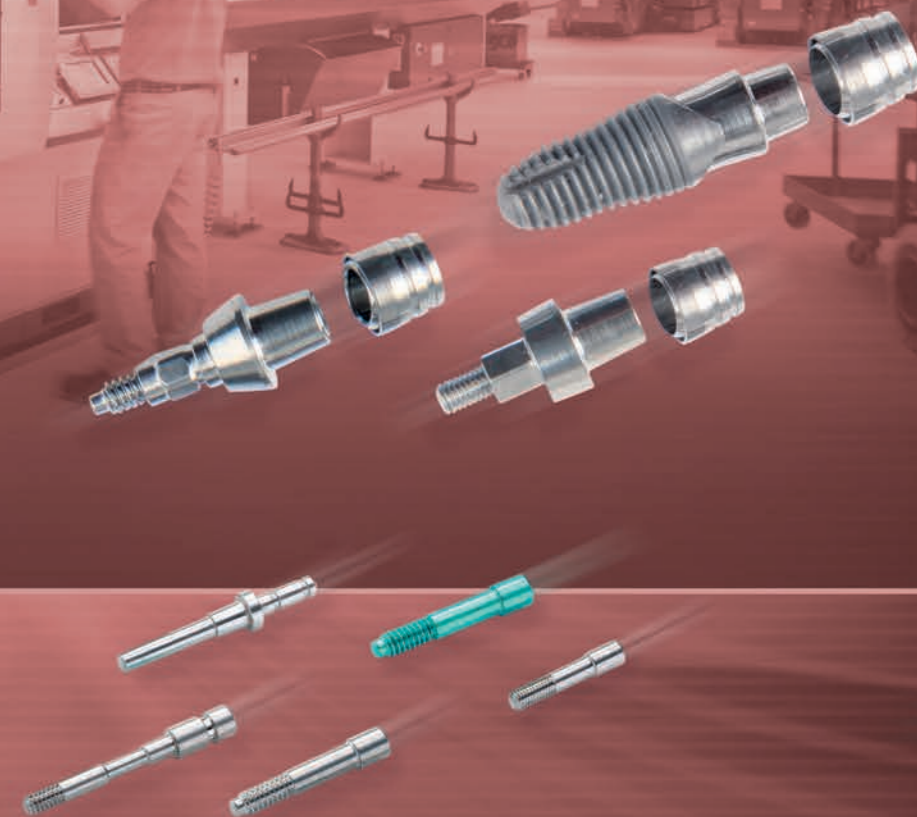
- Residual dirt analysis in own cleanroom
- Standard and non-standard threads
- String knurls and diamond knurls
- Grinding up to 20 mm workpiece diameter
- Surface treatments such as nickel plating, anodisation, silver or gold plating, passivation
- Thermal finishing, case-hardening, tempering
- Inhouse coat thickness measuring

Components for medicine industry Customized and reliable!

- Workpiece diameters of 0.8 mm up to 40 mm
- Prototypes, samples and serial production based on CNC-technology
- Titanium alloys and medical steels
- Angled poles, screws, caps and cone crowns
- Surface treatments such as polishing, barrel finishing and anodising
- Assembly



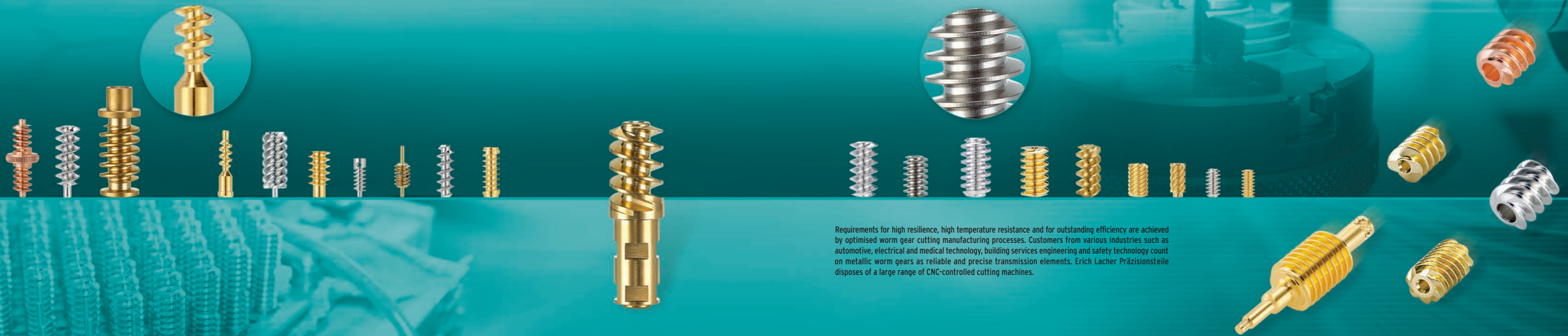
Due to a large experience, Erich Lacher Präzisionsteile is a favourite partner to the medical industry. According to certified standards of ISO 13485, we produce diverse precision parts for various fields in medical technology, using CNC-machining centers. The product range includes items such as caps, poles, screws and dental cone crowns. These parts can be supplied also as assembled units.



Worm gears

Progressive and future-oriented!

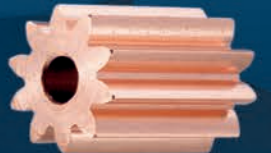
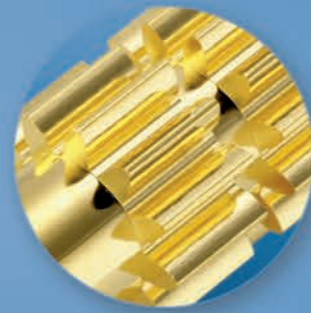
- One- to seven-start worms from module 0.3 to module 2
- Workpiece diameter of 0.4 mm to 40 mm
- Chased-threaded or milled production
- If required combined with spur gear tooth systems
- Software-supported tooth-calculation and -optimisation
- Free cutting steel, stainless steel, high-speed steel and brass alloys of all kinds
- Aluminium, copper, bronze and titanium alloys
- Middle and large sized batches in shift production
- 100 % camera checking and eddy current crack test, if required
- Fully automatic packaging



Requirements for high resilience, high temperature resistance and for outstanding efficiency are achieved by optimised worm gear cutting manufacturing processes. Customers from various industries such as automotive, electrical and medical technology, building services engineering and safety technology count on metallic worm gears as reliable and precise transmission elements. Erich Lacher Präzisionsteile disposes of a large range of CNC-controlled cutting machines.

Gear wheels and pinions Flexible and precise!

- Gear wheels and pinions from module 0.3 to module 2
- Spur gearing and helical gearing
- Workpiece diameters of 0.4 mm to 40 mm
- Software-supported tooth-calculation and -optimisation
- Free cutting steel, stainless steel, high-speed steel and brass alloys of all kinds
- Alloys of aluminium, copper, bronze and titanium
- Middle and large sized batches in shift production
- 100 % camera checking and eddy current crack test, if required
- Fully automatic packaging



In close cooperation with customers the noise reduction gearing is designed prior to mass production start. Numerous applications from many different areas are based on metallic gear wheels and pinions. As one of the leading suppliers of gear wheels and pinions, we use full-automatic gear cutting machines, CNC- and cam-controlled technology.

