



**OUR FASCINATION AND
ENTHUSIASM ARE THE BASIS
FOR YOUR SUCCESS**

EPPINGER 
PRECISION GEAR SOLUTIONS



gear boxes. To ensure maximum quality standards we apply identical manufacturing methods in our facilities at Denkendorf, Germany and in India.

excels as a manufacturer of bespoke customer-specific solutions.

GLEASON measuring machines during the production process.

OUR CUSTOMERS ARE OUR STRENGTH!

Next to our established series of gear box designs, Eppinger

These range from contract manufacture in gear technology to the development of complex gear solutions with corresponding gear ratios. In order to guarantee the highest possible precision, each gear is inspected with ZEISS and



QUALITY WILL ALWAYS PROSPER, WHERE CREATIVITY AND EXPERIENCE ARE A PERFECT MATCH

Bespoke developments, tailored to our customers requirements, play a decisive role for the constant stream of innovations at Eppinger.

Each new challenge extended our know-how continuously and led to our excellent team of highly skilled specialists developing unique manufacturing methods, which today enable us to manufacture precision gear

boxes at the highest level. The grinding of high precision gears lends our gear boxes exemplary energy efficiency, minimal heat generation, extremely smooth running and as a result makes them reliable and durable components.

KNOWLEDGE MUST PROSPER
Gottlieb Eppinger laid the foundation for our developments in 1925. His ideas

and experience inspired developments which still prosper today.

Over three generations, the processes for complex machining of gears have been advanced decisively. Today, EPPINGER develops and manufactures special precision gear boxes grouped into several application-specific design series, for example, bevel, hypoid, planetary and cycloidal



**TRUST IS GOOD –
CONTROL IS BETTER**
To make sure you can rely on each of our products meeting the most demanding quality requirements, all our gear boxes pass through specific test cycles on calibrated test benches prior to shipment.

Not a single component leaves our premises without first having been checked thoroughly

by a member of our QA team. All the essential characteristics are recorded, checked and documented in a specially designed test protocol.

**WE HAVE GIVEN PRECISION
A NEW DIMENSION IN GEAR
TECHNOLOGY!**

Hypoid gear boxes
The compact and robust design of the hypoid precision gear

boxes is suitable for specific and highly dynamic applications. Our specially developed mono-bloc housing distinguishes this series with extreme stability and provides maximum precision and efficiency. The highly flexible flange and coupling system enables our gear boxes to be connected to a host of servo motors without difficulty.

WE DELIVER **CUSTOMIZED** SOLUTIONS FOR EVERY APPLICATION AT **MAXIMUM PRECISION**



Bevel gear boxes

The bevel gear box series is destined for all gear applications requiring a high degree of reliability and variability. Compact dimensions and high torque at maximum efficiency play a central role here.

Planetary gear boxes

The planetary gear box series is of modular design. Our focus on development and design is driven by the multi-faceted requirements of our customers. The

combination of hardened and ground gears with high precision gear box components guarantees efficient performance, smooth running and high uptime. Innovative applications and customized bespoke solution are an integral part of our portfolio.

Cycloidal gear boxes

The development of highly compact and rigid cycloidal precision gear boxes rounds off our portfolio. Drive technology, especially in the field of tool machinery,

automation and robotics place the highest demands on stability, performance and efficiency. In other words, ideal conditions for us to demonstrate our flexible and creative manufacturing capabilities.



MANUFACTURING AND DEVELOPMENT ARE AS CLOSELY MESHED AS OUR GEAR BOXES

MORE INFORMATION AT
WWW.EPPINGER-GEARS.COM

Soft Motion System

Our new control and regulation system guarantees absolutely precise positioning. The Soft Motion System developed by Eppinger does not require specially manufactured drive components. Tolerances are compensated by the system during motion in real time. Add to this the option of programming gentle start-up and braking ramps. Optional sensors for the overall system can record mechanical vibration,

heat development, resonance and torque. Additional maintenance monitoring can issue timely warnings for possible consequential damage.

Our production equipment

comprises: DIXI, DOOSAN, HARDINGE, HELLER, LIEBHERR, MORI SEIKI, OKUMA, PFAUTER, REISHAUER, STUDER, TRAUB, VOUMARD as well as GLEASON Phönix 275 milling and grinding centers.

Depending on customer requirements we can manufacture quality standards in accordance with DIN 3965 or AGMA.





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