



ERDİREN[®]
GEAR INDUSTRY

**PRECISION
IN MOTION
SINCE 1955**

www.erdiren.com



ERDİREN[®]
GEAR INDUSTRY



**ENGINEERING
EXCELLENCE**

Founded in 1955 in Konya / Türkiye, Erdiren Gear Industry is a globally respected manufacturer of spiral and hypoid bevel gear sets.

Operating from a 15,000 m² covered plant built on a 25,000 m² site, ERDİREN unites tradition and innovation to deliver precision-engineered solutions for the most demanding industries.

Continuous investment in state-of-the-art machinery, R&D, and digital manufacturing technologies ensures that our legacy of precision evolves with every generation.

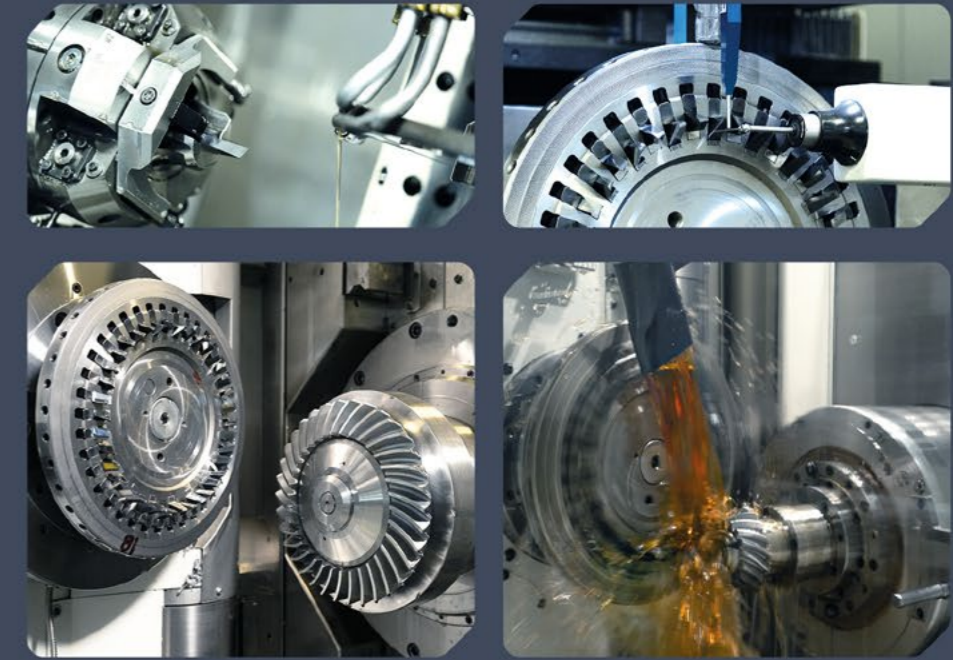
With a production capacity exceeding 150,000 gear sets per year, ERDİREN proudly serves both OEM and aftermarket customers worldwide for a wide range of industries and applications:

Automotive	Passenger cars, commercial vehicles, trucks, buses, motorsport, and classic car restorations
Off-Highway & Agriculture	4x4 and 8x8 vehicles, tractors, agricultural and construction machinery
Industrial & Special Applications	Marine propulsion, gearboxes, heavy-duty machinery, industrial systems, and aerospace components

Powering the next generation of electric vehicles and e-buses, our gear sets are engineered for quiet performance, high efficiency, and long-lasting reliability.



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**ADVANCED PRODUCTION FOR
ABSOLUTE ACCURACY**

Our manufacturing lines integrate the latest CNC machining, turning, cutting, and grinding technologies, achieving micron-level tolerances.

Capabilities at a glance:

- Spiral and hypoid bevel gear production from Ø20 mm to Ø1000 mm
- Profile & cylindrical grinding for perfect geometry
- CNC machining with automated process control
- In-house design, prototyping, and heat treatment
- Fully digital production data management

Every stage is guided by a commitment to precision, consistency, and efficiency – ensuring Erdiren gears perform flawlessly in the most demanding applications.

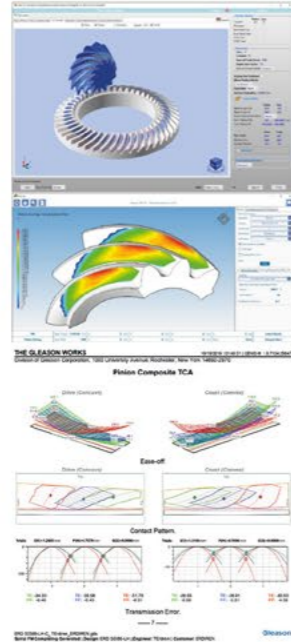
**PRECISION ENGINEERED
PERFORMANCE PROVEN**





BEVEL GEAR INNOVATION

At Erdiren, innovation is driven by cutting-edge design software and deep engineering experience. Using advanced tools such as Gleason GEMS®, we create gear sets optimized for performance, durability, and efficiency. Our engineers design, analyze, and refine every tooth surface — integrating 3D modeling, contact analysis (TCA), and finite element analysis (FEA) to achieve optimal load distribution and minimal noise. We also offer reverse engineering, custom development, and flexible design adaptation for customer-specific gear geometries.



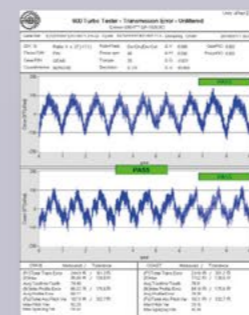
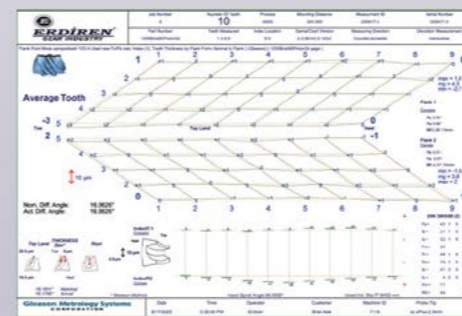
QUALITY BEYOND MEASURE

Our commitment to excellence continues in our metrology and testing laboratories, equipped with the latest control systems.

- Coordinate Measuring Machines (CMMs)
- Single Flank Test Machines for transmission accuracy
- Surface and profile measurement systems
- Comprehensive traceability and statistical process control

Whether producing a single prototype or high-volume OEM series, we ensure every gear meets the highest international standards.

MEASURED VERIFIED PERFECTED



SINCE 1955

DESIGN INTELLIGENCE MEETS TECHNOLOGY

CONTACT

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Precision • Performance • Reliability

ENGINEERING EXCELLENCE IN SPIRAL AND HYPOID BEVEL GEAR DESIGN AND PRODUCTION