

Large, High-Precision Gears and Gear Components

Using technology & innovation to meet your needs – now and into the future.

Brevini Gear Systems offers innovative solutions to complex geartrain challenges with state-of-the-art technologies in engineering, manufacturing and validation.

We are committed to meeting your technical, quality and delivery requirements for R&D, quality assurance, serial production or remanufacturing at a competitive price.

Component Assembly and Validation

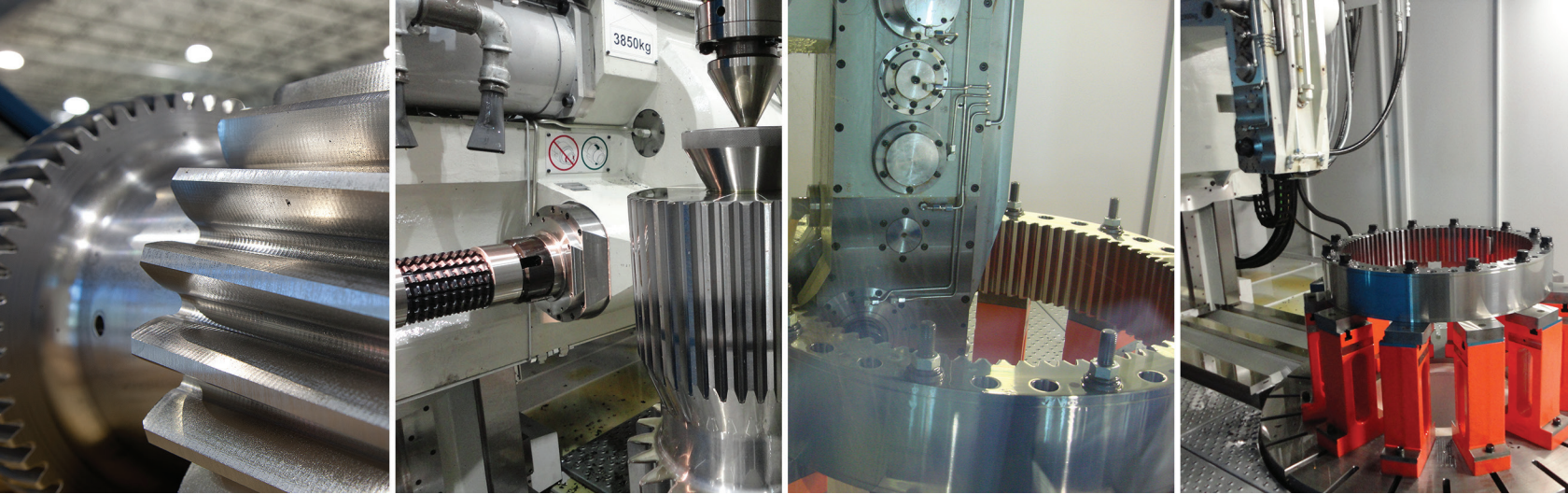
Brevini Gear Systems has experienced staff with assembly and validation background coupled with state-of-the-art facilities to provide fully validated gear boxes and complex drive systems.

From inspections and tolerance checks to full power durability, operational checks and performance development (including vibration, sound power, contact patterns, temperatures and pressures), our validation capabilities will meet your technical, quality

and delivery requirements for R&D, quality assurance, serial production, or re-manufacturing at a competitive price.

With flexible input/output centerline locations and dynamic load testing (active front end inverter technology) capabilities, our test stand can validate drive systems rated up to: 6.4 mW input power, input shaft speed range between 1200 to 2000 rpm and maximum input shaft torque: 51000 Nm.





Planet Gears, Helical Gears, Sun Pinions, Large Gearshafts

External Gear Processing

Profile Milling/Gear Hobbing

- 1,7300mm [68.11"] Max Diameter
- 1,000mm [39.4"] Max Face Width

Gear Shaping

- 1,200mm [47.24"] Max Diameter
- 200mm [7.87"] Max Face Width
- Electronic Guide for Helical Gears

Precision External Gear Grinding

- 2,400mm [94.50"] Max Diameter
- 1,000mm [39.4"] Max Face Width
- On-board inspection capability

Max DP	0.75
Max Module	35
Max OD	1730mm [68.10"]
Max Face Width	1000mm [40.00"]
Precision (AGMA)	2015-1-A01 Grade A3
Precision (DIN)	DIN-3962 Quality-4
Heat Treatment	Carburizing, Nitriding, Induction Hardening

Large Precision Internal Ring Gears

Internal Gear Processing

Profile Milling

- 2,400mm [94.50"] Max Diameter
- 1,000mm [39.4"] Max Face Width

Gear Shaping

- 1,200mm [47.24"] Max Diameter
- 200mm [7.87"] Max Face Width

Electronic Guide for Helical Gear Shaping

- Precision Internal Gear Grinding
- 2,400mm [94.50"] Max Diameter
- 1,000mm [39.4"] Max Face Width
- On-board inspection capability

Max DP	0.85
Max Module	30
Max OD	2400mm [94.50"]
Max Face Width	1000mm [40.00"]
Precision (AGMA)	2015-1-A01 Grade A3
Precision (DIN)	DIN-3962 Quality-4
Heat Treatment	Carburizing, Nitriding, Induction Hardening



Brevini Gear Systems

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