

Magnax – Mechanical Design Engineer - Precision Gearboxes

Welcome to Magnax: Where big ideas start small (but mighty)

Join Magnax as a **Mechanical Design Engineer** and take ownership for Precision Gearboxes. You'll work from concept to prototype and production, combining detailed mechanical design with hands-on validation.

About the role

This is what you'll do:

- Design and develop precision gearboxes for new product applications, from concept through prototype and production.
- Design mechanical components such as gears, shafts, bearings, housings, seals, and other transmission elements.
- Create detailed 3D CAD models and 2D manufacturing drawings, applying relevant industry standards and GD&T.
- Perform and support mechanical calculations and design verification.
- Work closely with suppliers and subcontractors on gearbox components, manufacturing processes, tolerances, materials, and specifications.
- Support prototype builds, testing, troubleshooting, and continuous improvement of gearbox and actuator designs.

Who are we looking for?

- Master's degree in Mechanical or Electro-Mechanical Engineering, or equivalent experience.
- At least 3 years of professional experience in gearbox, drivetrain or precision mechanical component design.
- Proficient in Siemens NX, Teamcenter PDM, or similar CAD/PDM tools.
- Good knowledge of materials and manufacturing processes for gearbox components, including gear machining, heat treatment, tolerancing, and design-for-manufacturing principles.
- Strong analytical skills and experience performing mechanical calculations, such as gear sizing, shaft strength and bearing selection.
- Experience in Romax, KISSsoft or similar packages for gear calculation is a plus.
- This position requires existing work authorization in Belgium.
- A team player with a can-do mentality, creative mindset, and fluent English.

Why join Magnax?

This is a hands-on Research & Development role where your gearbox designs can move quickly from calculation

and CAD into prototypes, testing and real product improvements.

You'll join an international team in Kortrijk working on compact, efficient powertrain technology.

<https://www.traxial.com/careers>