

Hakan ŞİRİN

Mechanical Engineer

*"There is no better catalyst to success than curiosity."
- Michael Dell*

Education

2020-2023 **M.Sc.Degree**, Necmettin Erbakan University, Mechanical Engineering, Konya.

2015-2020 **B.Sc.Degree**, KTO Karatay University, Mechanical Engineering, Konya.

Languages

English Professional working proficiency

Computer Skills

- **ANSYS**; Static Structural, Implicit/Explicit Dynamic Analyses
- **Siemens NX**; Solid Modeling, Cam and Simulation
- **SolidWorks**; Solid Modeling, Sheet Metal and Simulation
- **MS Office**; Excel, Word and Powerpoint

Experiences

2022 - Now **Serin Trailer**, Konya.

- Perform FEA studies to support design assessments,
- Collaborate with design engineers in new product development and quality organizations to validate developed models and processes,
- Developing physical understanding and numerical models to simulate for manufacturing processes that include container chassis, trailer, tanker(adr), tipper etc.

2021 - 2022 **Yumak Air Brake Systems**, Konya.

- Commissioning of new projects regarding OEM air compressors,
- Execution of PPAP, APQP, FMEA processes,
- Designing air compressor parts with Solidworks,
- Determination of materials to be used in products,
- Preparation of flowcharts and assembly instructions for air compressors,
- Determination of geometric tolerances for related parts,
- Performing product performance tests at the assembly line-up.

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2020 - 2021 **Mepsan**, Konya.

- First installation and integration of the products,
- Sharing technical information for international colleagues,
- Preparing technical documents,
- Control the warranty process by giving training to clients,
- Taking care of international clients and solving their problems via mail or directly in the field.

2019 - 2020 **Ozen Kompresor**, Konya.

- Long-term intern at R&D Unit for graduation thesis,
- Preparing data sheets for industrial compressors,
- Preparing technical drawings for related products,
- Coded strength calculator for compressors via C#.

Projects

2019-2020 **TUBITAK**, *2020 Efficiency Challenge Electric Vehicle, Member of Mechanical Design/Simulation*, Karatay R&D Community.

2019-2020 **Graduation Project**, *Optimization of Industrial Pressure Tanks*, Ozen Kompresor.

Certificates

2023 **TMMOB**, *Ansys Workbench*.

2021 **TMMOB**, *Lean Manufacturing and Approaches*.

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