



Design and CAE Specialist / Duzce-TR

We are stronger, when together!

As members of the Standard Profil Group we strive to take our company to the next levels on a daily basis with our team spirit, diverse work force, innovation, motivation and synergy.

We value every member of our team and become richer as a family. We work and produce together to build a better, stronger, future both for SP Group as well the world at large.

What about being a part of our colorful and global family? We are looking for a new team member who will join us to;

- Design dies and related tooling used in EPDM Rubber and TPV extrusion processes for automotive sealing systems manufacturing.
- Carry out numerical modeling of Rubber and TPV flows throughout the extrusion molding,
- Follow validation productions on the lines and make necessary improvements on dies following the budget/time/quality requirements,
- Pursue R&D studies and engineering simulation activities in EPDM/TPV extrusion field to enhance group know-how.

WHAT WE EXPECT FROM YOU:

- Prepare the 3D CAD models of extrusion dies and corresponding production line elements.
- Perform computational analyses for internal flow and thermal characteristics of the dies to determine dead zones, flow disorders, high-pressure fields, etc.
- Analyze mold flow implementing CAE and improve the geometry accordingly in the CAD environment securing mass/pressure balance before tool manufacturing.

- Ensure the dies and related tooling are manufactured in accordance with the CAD data by in-house capabilities or outsourcing.
- Participate and control die validation tryouts, decide and apply necessary modifications.
- Manage the die development stage and deliver the product in parallel to the project timing and quality standards.
- Advise the product development team when necessary from the viewpoint of extrusion tooling and manufacturing.
- Document best practices and guidelines for die/tooling design and engineering simulation activities,
- Conduct and document continuous R&D activities to improve the engineering and production capabilities of the group.

WHAT YOU NEED TO HAVE:

- Min of. Bachelor's Degree from related disciplines; preferably in Mechanical Engineering with a focus on Computational Fluid Dynamics.
- Ongoing/completed MSc/Ph.D. study in related fields will be of preference.
- Solid experience and high competency at Solidworks or other equivalent 3D CAD software suites.
- Having experience or a strong foundation in the field of CFD or FEA, and hands-on experience with at least one of the software packages like SW Flow Simulation, ANSYS, Star-CCM, etc.
- Eagerness to make research/academic studies on EPDM Rubber and TPV processing.
- Fluency in both written and spoken English.
- Proactive team player with excellent oral/written communication skills.
- Aptitude to work with short-term assignments in a busy work schedule.
- No restriction to travel domestically and abroad.

HOW TO APPLY:

Please e-mail your resume to eoiskasap@standardprofil.com (Emre Özkasap)