

Kevin Heselpoth

Project Engineer - Stein Seal Industrial Division

Lafayette Hill, PA - Email me on Indeed: [indeed.com/r/Kevin-Heselpoth/15e56aa4de3a4168](https://www.indeed.com/r/Kevin-Heselpoth/15e56aa4de3a4168)

Mechanical engineer with eight years of product development experience working in an industrial, manufacturing environment. Currently seeking a mechanical engineering related position in which I can make use of my extensive knowledge and experience.

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Project Engineer

Stein Seal Industrial Division - September 2012 to Present

- Designed custom mechanical seal systems for rotating machinery based on dimensional and customer performance specifications, as well as coordinating projects and schedules with customers and other departments within the company
- Performed technical analyses utilizing a variety of engineering principles in thermodynamics and fluid mechanics (Example: predicting seal leakage rates, wear life, heat generation, FEA analysis, etc.)
- Engineered step by step manufacturing plans detailing the fabrication of components from raw material to finished parts
- Provided technical support to the machine shop and supervised production projects in the test lab
- Performed quality control duties including receiving inspections/reviewing technical specifications of purchased items, dynamic testing of production seals, and final inspections of finished parts and seal assemblies
- Generated purchase orders for outside vendors and managed finished goods inventory
- Evaluated customer returned seal assemblies and scheduled shop orders to perform necessary repairs using production control software

Design Engineer

Stein Seal Company - September 2007 to September 2012

- Taken responsibility for several production and research and development seal projects from concept to finished product
- Developed test programs for seal systems, including the designing of dynamic test fixtures, creating test plans, completing hundreds of hours of dynamic testing and data acquisition to evaluate performance characteristics and quality assurance
- Drafted seal assembly drawings and corresponding Bills of Materials, as well as three dimensional models and detail drawings for individual seal components in accordance with standard GD&T practices
- Acquired rigorous hands-on experience, including assembling various types of seals, the building and instrumenting of industrial test rigs, reworking parts to achieve desired results, and general troubleshooting to ensure a seal assembly meets customer requirements

EDUCATION

Bachelor's of Science in Mechanical Engineering

Villanova University

2007

SKILLS

Mathcad 12 (10+ years), Autocad 2016 (8 years), Autodesk Inventor 2016 (5 years), Ansys 13.0 (5 years), Microsoft Office (10+ years)

ADDITIONAL INFORMATION

TECHNICAL SKILLS

- Advanced proficiency in Mathcad 12, Autocad 2016, Autodesk Inventor 2016, Ansys 13.0, and Microsoft Office 2014