

Title: Screw Designer
Reports to: Product Engineering Manager
Location: York, PA
FLSA Classification: Exempt
Date: September 2020

A Company with Three Strong Product Lines:



The global standard in wheel & industrial extrusion blow molding solutions™
www.grahamengineering.com

The preferred provider of engineered solutions for plastic, rubber & silicone extrusion™
www.americankuhne.com

The global standard in high performance sheet extrusion solutions™
www.welex.com

Current Products:



- Extrusion Blow Molding
- Rotary Wheel
- Shuttle & Shot Pot
- Accumulator head



- General purpose extruders
- Medical tubing solutions
- Screw design



- Sheet extrusion solutions
- Multi-layer & barrier



Nature & Scope:

The function of this position is to develop customer screw/process specifications into end products.

Specific Job Responsibilities & Duties:

- Work with customers to design screws to meet their process/end product requirements
- Design screws based on experimentation and data analysis.
- Travel to customer sites to support sales and service on screw processing issues
- Interface with vendors to clarify design ideas and answer questions about AK designs.
- Work in Visual Manufacturing to update part maintenance, bills of material
- Work with management on new designs/processes/ideas
- Interface with Manufacturing and Purchasing to resolve problems that may arise.
- Work with sales to clarify and improve screw design and customer ideas
- Work in SolidWorks to design screws
- Support process development projects in lab
- Conduct screw lab trials and experiments
- Collect & analyze data, write reports on lab trials and R&D projects
- Select, configure, and operate test analysis instrumentation and equipment.
- Travel; up to 50% required
- All other duties as assigned

Qualifications:

Education

- Master's in Engineering or equivalent experience
- Coursework in plastics processing

Experience

- Screw engineering/process design
- Using SolidWorks and/or AutoCad
- MS Office Suite
- Working in extrusion industry ideal
- Working with polymers

Skills/Critical Competencies

- Must be team oriented, and customer driven.
- Planning/organizing – Use time efficiently while designing the highest quality machines
- Ability to utilize a troubleshooting methodology
- Possess interpersonal, listening, and participation skills in order to work with others as part of a team.
- Ability to multitask
- Must be flexible and adapt to changing requirements.
- A track record of ethical business behavior. Commitment to American Kuhne and Graham company values.

Dominant Physical Requirements & Essential Job Functions:

- This position requires the incumbent to be extremely mobile to attend various meetings, assist customers and meet with individuals on the production floor.
- The incumbent must be able to effectively communicate with employees at all levels within the organization, as well as customers and vendors.

- Regular and predictable attendance is an essential job function.
- This position requires a high degree of mobility to process machines.
- The incumbent must be able to effectively utilize a variety of hand and power tools, computer peripherals, climb ladders and lift up to 40-50 lbs.
- Must be willing and able to travel to customer sites as necessary.