



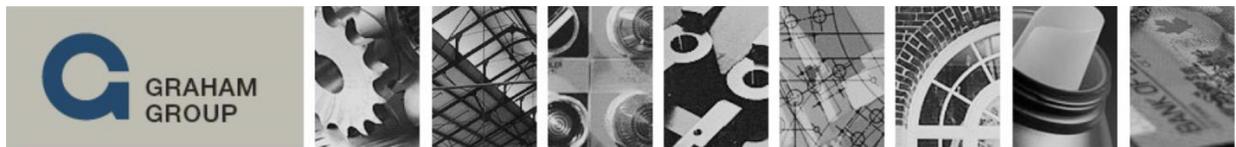
GRAHAM ENGINEERING

JOB DESCRIPTION

Date: October 2018
Title: Industrial Electrician & Start-up Technician
Reports to: Production Manager
Location: York, PA
FLSA Classification: Non-Exempt

Background:

The Graham Group acquired majority interest in American Kuhne in October 2012 followed by Graham Engineering Corporation's acquisition of Welex in June 2013. Together, Graham Engineering Corporation, American Kuhne and Welex create a convergence of leading technologies, people & capabilities in extrusion.



Over half a century ago, industrial entrepreneur Donald C. Graham founded a design engineering firm in a farmhouse basement in central Pennsylvania. From this emerged several leading, global manufacturing businesses spanning packaging, capital equipment and building products industries. Based in York, PA, a tenured team of operating and investment professionals actively oversee several of the legacy operating businesses that bear the Graham name.

About Graham Group (www.grahamgroup.com)

A Company with Three Strong Brands:



The global standard in wheel & industrial extrusion blow molding solutions™

With more than 400 solutions installed in customer locations in 20 countries, Graham Engineering Corporation (GEC) is the global standard in wheel & industrial extrusion blow molding solutions. GEC technology is known worldwide for quality, reliability, and productivity. About GEC (www.grahamengineering.com)



The preferred provider of engineered solutions for plastic, rubber & silicone extrusion™

Custom is our standard™

Specialized in solving customer challenges, American Kuhne (AK) is the preferred provider of engineered solutions for plastic, rubber & silicone extrusion. AK solutions comprise standard and custom single screw extruders, feed screws, extrusion systems & specialized turnkey systems for medical tubing, laboratory, narrow web, pipe, tubing & profile systems.

About American Kuhne (www.americankuhne.com)

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The global standard in high performance sheet extrusion solutions™

Welex is the global standard in high performance sheet extrusion solutions. With over four decades of leadership, innovation and performance, Welex leads the industry with solutions installed in more than 3,000 customer locations in 69 countries. Welex innovations include co-extrusion and multi-layer methods that lead the industry as well as dozens of barrier lines installed globally.

About Welex (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

Position Summary:

This position is responsible for wiring, troubleshooting, and complete thorough startup/testing of all the types of machinery and equipment manufactured and/or distributed by Graham Engineering Corporation.

Role Responsibilities and Priorities:

1. Wires and/or troubleshoots electrical equipment, cabinets and other components according to specific regulations and guidelines including OSHA standards.
2. Makes up wiring harnesses, installs conduit and pulls wires.
3. Maintains good housekeeping and follows safety rules
4. Must be familiar with existing codes such as NEC and JIC and OSHA regulations (but not limited to just those codes) and know how and where to get detailed information on the codes.
5. Drills and taps holes for mounting electrical components.
6. Uses tools such as volt ohm amp meters, wire strippers, and soldering iron.
7. Builds machines from shop packets and schematics.
8. Communicates non-conformances and opportunities for improvement in compliance with ISO procedures when schematics and shop packets need corrected.



9. Performs various electrical calculations and has solid knowledge of Ohm's Law, wire gage sizes, number of allowable conductors in conduit, etc.
10. Drills and taps holes for mounting electrical components.
11. Uses tools such as multimeter, wire strippers, soldering iron, etc.
12. Must have considerable soldering experience.
13. Builds all types of machines from bills of material and electrical schematics.
14. Responsible for identifying improvements in quality, labor reduction and cost reductions.
15. Must be familiar with codes such as, but not limited to, NEC, NFPA 79, and OSHA regulations and know how and where to get detailed information on those codes.
16. Responsible for making improvements in quality, timeframes and cost reductions.
17. Maintains good housekeeping and follows safety rules.
18. All other duties as assigned.

Job Qualifications include:

Education

- High school diploma or equivalent

Experience

- Minimum of 4 years' experience in machine or industrial wiring
- 2 years of experience as Electrician 'A', or equivalent

Essential skills, behaviors:

- Must have a basic understanding of electronics
- Must be detail and safety oriented
- Must have strong troubleshooting skills
- Strong knowledge of analog and digital
- Must be able to follow thorough procedures and checklists to start up, troubleshoot and test every product line that GEC manufactures.
- Must be computer literate and use software packages such as Microsoft Office, ABB Drive Composer, etc.
- Must be able to fill out forms, charts, spreadsheets, etc., as needed.
- Must have basic networking experience.
- Must be familiar with VFD parameters and programming. (ABB, Allen-Bradley, Yaskawa, etc.)
- Must be familiar with PLC I/O (Beckhoff, Allen-Bradley, etc.)
- Must be willing and capable of learning new software and testing techniques as technology changes.
- Must be able to troubleshoot discrete controlled machines, as well as PC based HMI controlled machines. Navigator and AKcess.
- Must have experience with Eurotherm temperature controllers and pressure indicators and controllers.
- Must be able to multi-task.
- Must have completed basic courses in industrial hydraulic and pneumatic operations and troubleshooting.
- Must be able to observe possible safety issues and report them.
- Must be able to follow procedures and detailed instructions.
- Must be able to use test equipment such as photo tachs, amp clamps, temperature meters, etc.

Direct reports: None



Travel required: None

Dominant Physical Requirements & Essential Job Functions:

- Regular and predictable attendance is an essential job function. (continual)
 - The incumbent must be able to effectively utilize a variety of hand and power tools, computer peripherals, etc.
 - Ability to climb ladders and work at heights (occasional)
 - Ability to lift up to 40-50 lbs. (Intermittently)
 - This position requires a high degree of mobility to wire machines including working in tight or closed spaces. (continual)
 - The incumbent must be able to effectively communicate with employees at all levels within the organization. (consistently)
 - Must be willing and able to travel to customer and other company sites as necessary. (occasional)
 - Specific vision abilities required by the job include close vision, distance vision, color vision, peripheral vision, depth perception, and the ability to adjust focus. (continually)
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