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**B&K INSTALLATIONS, INC.**

## **Machinists Apprentice**

### **About B&K Installations, Inc.**

B&K Installations has more than 35 years of experience in the manufacturing of cultivation and grow facilities for the horticulture, agriculture, and aquaculture industries, as well as metal products that are used in various industries. We pride ourselves on manufacturing reliable commercial structures and machined and fabricated products. All products are constructed to withstand extreme weather conditions and rigorous everyday use. Our state of the art manufacturing facility allows us to specialize in customization of structures and products that are specifically made to meet our customers' needs and budget.

B&K prides itself on the fact that we are a family owned company and we treat our employees as such. Our company would not be what it is today without the total cooperation of all our team members. Our facility is a full fledge manufacturing operation so the dress code is causal and must meet OSHA requirements (close toed shoes, safety glasses, ear plugs). B&K is a great company to work for because of the diversity of jobs that we handle, it is always a learning experience.

Working for B&K is a great way to gain experience in working with multiple different industries and organizations. B&K deals with a multitude of different agencies such as FDOT and the University of Florida, thus we support our team members furthering their education to get the needed certification to work on more intricate jobs with agencies such as these. The size of our facility and the scope of our work allows for speedy career progression.

### **Role of Machinists Apprentice**

- **Position in the Company:** Production Associate
- **Principal Responsibilities:**
  - Align and secure holding fixtures, cutting tools, attachments, accessories, or materials onto machines.
  - Assemble machine tools, parts, or fixtures.
  - Calculate dimensions of workpieces, products, or equipment.
  - Calculate dimensions or tolerances, using instruments such as micrometers or Vernier calipers.
  - Check work pieces to ensure that they are properly lubricated or cooled.
  - Confer with engineering, supervisory, or manufacturing personnel to exchange technical information.
  - Confer with numerical control programmers to check and ensure that new programs or machinery will function properly and that output will meet specifications.
  - Create diagrams or blueprints for workpieces or products.
  - Design fixtures, tooling, or experimental parts to meet special engineering needs.





- Design tools, fixtures, or other devices for production equipment.
- Diagnose equipment malfunctions.
- Diagnose machine tool malfunctions to determine need for adjustments or repairs.
- Disassemble equipment for maintenance or repair.
- Dismantle machines or equipment, using hand tools or power tools to examine parts for defects and replace defective parts where needed.
- Dispose of scrap or waste material in accordance with company policies and environmental regulations.
- Dispose of trash or waste materials.
- Draw guide lines or markings on materials or workpieces using patterns or other references.
- Establish work procedures for fabricating new structural products, using a variety of metalworking machines.
- Evaluate machining procedures and recommend changes or modifications for improved efficiency or adaptability.
- Exchange information with colleagues.
- Fit and assemble parts to make or repair machine tools.
- Install repaired parts into equipment or install new equipment.
- Lay out, measure, and mark metal stock to display placement of cuts.
- Machine parts to specifications, using machine tools, such as lathes, milling machines, shapers, or grinders.
- Maintain machine tools in proper operational condition.
- Maintain production or processing equipment.
- Measure dimensions of completed products or workpieces to verify conformance to specifications.
- Measure materials to mark reference points, cutting lines, or other indicators.
- Measure, examine, or test completed units to check for defects and ensure conformance to specifications, using precision instruments, such as micrometers.
- Monitor equipment operation to ensure proper functioning.
- Monitor lubrication of equipment or workpieces.
- Monitor the feed and speed of machines during the machining process.
- Mount attachments or tools onto production equipment.
- Operate cutting equipment.
- Operate equipment to verify operational efficiency.
- Operate grinding equipment.
- Operate metal or plastic forming equipment.
- Operate welding equipment.
- Plan production or operational procedures or sequences.



- Program computers or electronic instruments, such as numerically controlled machine tools.
- Program equipment to perform production tasks.
- Replace worn equipment components.
- **Review blueprints or other instructions to determine operational methods or sequences.**
- Separate scrap waste and related materials for reuse, recycling, or disposal.
- Set up or operate metalworking, brazing, heat-treating, welding, or cutting equipment.
- Set up, adjust, or operate basic or specialized machine tools used to perform precision machining operations.
- Sort recyclable materials.
- **Study sample parts, blueprints, drawings, or engineering information to determine methods or sequences of operations needed to fabricate products.**
- Support metalworking projects from planning and fabrication through assembly, inspection, and testing, using knowledge of machine functions, metal properties and mathematics.
- Test experimental models under simulated operating conditions for purposes such as development, standardization, or feasibility of design.
- **Work location and Travel**
  - Our office is located at **246 SW 4<sup>th</sup> Ave Homestead, FL, 33030.**
  - Homestead is about 30 minutes north of the Florida Keys.
  - The ability to travel will be necessary. Most of the travel will be to attend and work a booth at industry expo's that B&K exhibits in. Travel may also be necessary to oversee the installation of product at the job site, this will not always be necessary but it is a possibility.
- **Prerequisite Knowledge:**
  - Experience/ Qualifications
    - At least completed training in vocational schools, an associate's degree or a recognized apprenticeship program.
    - At least 2 years of hands-on job site work experience.
    - Preferred experience with bridges, flood control projects, water and sewerage control systems and agricultural equipment.
  - Skills/Personal Traits
    - **Arm-Hand Steadiness** — The ability to keep your hand and arm steady while moving your arm or while holding your arm and hand in one position.
    - **Control Precision** — The ability to quickly and repeatedly adjust the controls of a machine or a vehicle to exact positions.



- **Critical Thinking** — Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
- **Finger Dexterity** — The ability to make precisely coordinated movements of the fingers of one or both hands to grasp, manipulate, or assemble very small objects.
- **Manual Dexterity** — The ability to quickly move your hand, your hand together with your arm, or your two hands to grasp, manipulate, or assemble objects.
- **Monitoring** — Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.
- **Multilimb Coordination** — The ability to coordinate two or more limbs (for example, two arms, two legs, or one leg and one arm) while sitting, standing, or lying down. It does not involve performing the activities while the whole body is in motion.
- **Operation and Control** — Controlling operations of equipment or systems.
- **Operation Monitoring** — Watching gauges, dials, or other indicators to make sure a machine is working properly.
- **Reading Comprehension** — Understanding written sentences and paragraphs in work related documents.
- Salary and Benefits
  - Salary is dependent on experience.
  - Depending on advancement, receiving commission on sales is possible.
  - B&K offers quality health insurance for employees.
  - Paid vacation time is possible.

## How to Apply

For more information and job application visit our company site at [www.bkinstall.com](http://www.bkinstall.com). Applicants should send a resume and cover letter outlining how they meet the specific requirements of the position to [info@bkinstall.com](mailto:info@bkinstall.com).

**While we sincerely appreciate all applications, only those candidates selected for interview will be contacted.**

**Please note the selected candidate will be required to submit to a background check and a drug and alcohol test.**