

Apprenticeship Posting: Quality Control Technician

Who We Are:

Intertech is a world class plastics injection molding manufacturing plant. We strive to deliver success to our customers, our proprietary brands, our employees and our community. Our products are high quality, high volume and competitively priced. We are committed to our customers and our employees and always strive to do the right thing.

What You Will Do:

Quality Control Technicians inspect, test, sort, sample and weigh various materials, parts and products for defects, wear, and deviations from specifications. You will read work orders, blueprints, and other instructions to determine product specifications, material requirements, operational methods or sequences. You will use precision measuring instruments and commonly used test equipment (e.g., calipers, gauges, micrometers).

Example activities:

- Measure dimensions of products to verify conformance to specifications, using measuring instruments such as rulers, calipers, gauges, or micrometers.
- Read blueprints, data, and other materials to determine specifications, testing procedures, adjustment methods.
- Record inspection or test data, such as weights, temperatures, grades, and moisture content.
- Discard or reject products, materials, or equipment that don't meet specifications and notify supervisors or other personnel of production problems.
- Write test or inspection reports describing results, recommendations or needed repairs.

Who You Are:

This position is available to individuals who are currently sophomores in high school. Applicants must be 16 years of age or older by June 1, 2017.

Preferred mindsets and interests

- **Team player:** Open communicators that want to help get things done and gather as much information as possible.
- **Problem Solver:** Logical thinking influences your use of information, you use data and knowledge to generate useful ideas.
- **Mechanical Aptitude:** You like working with your hands; taking things apart and putting them back together.
- **Quality Focused:** You like when things are done correctly and with precision.

What You Have Done:

Educational Requirements for Applying Candidates

Applicants should be able to communicate clearly and concisely, both verbally and in writing.

Applicants should also be on track to master the following arithmetic competencies by the beginning of the apprenticeship in order to access potential college-level training content (as outlined in College Board Accuplacer Program Manual, October 2016):

- *perform the basic arithmetic operations of addition, subtraction, multiplication, and division using whole numbers, fractions, decimals, and mixed numbers*
- *make conversions among fractions, decimals, and percents*

Applicants should be on track to master the following reading competencies by the beginning of the apprenticeship (as outlined in College Board Accuplacer Program Manual, October 2016):

- *answer questions that require them to synthesize information, including gauging point of view and intended audience*
- *recognize organizing principles in a paragraph or passage*
- *identify contradictory or contrasting statements*

What You Will Learn:

Occupational Competencies the apprentice will develop in the role

- **Manufacturing Standards:** Familiarity with ISO standards and relevant industry-specific standards (e.g., OSHA)
- **Manufacturing Process:** Able to use common manufacturing processes including Six Sigma, Kaizen, Lean Manufacturing, DOE, FMEA and DMEAIC
- **Proper use of Tools:** Able to identify measuring tools, when to use them and how to take measurements from them

Foundational Competencies the apprentice will develop in this role

- **Critical Thinking:** Identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems. Create and share ways to make things better (e.g., re-arrange machines, use new tool). Able to see the big picture (e.g., the end-to-end process, the factory as a whole) and make helpful recommendations.
- **Quality Control Analysis:** Test and inspect products, services or processes to evaluate quality or performance. Able to interpret data and take appropriate action (e.g., take corrective action personally or advise superiors of significant issues); read and verify SPC (statistical process control).

Certification(s) & Coursework:

- This apprenticeship will include a minimum of 2 college courses
- Apprentices will earn the nationally-recognized MSSC Certified Production Technician credential

Job Details:

- *Work Address:* 4525 Kingston Street, Denver CO 80239
- *Department:* Quality
- *Start Date:* July 2017
- *Year 1 Summer Work Schedule:* mutually agreed upon by apprentice and business
- *Year 1 School Year Work Schedule:* Either of the options below
 - Option A: Full work days (8 hour shifts) on Mondays and Wednesdays. 16 hours/week.
 - Option B: Full work days (8 hour shifts) on Tuesdays and Thursdays. 16 hours/ week.
- *Apprenticeship duration:* 3 years
- *Apprentice compensation:* starts at \$9.30 per hour
- *Median wages for this occupation in Colorado:* \$18.33 per hour
- *Total apprentices for this position:* 1
- *Total apprentices at company:* 3
- *Work environment:* This position requires standing and walking for the majority of the shift. This role includes working on the production floor to obtain samples and wearing proper PPE.