
Scott Taylor

Manufacturing Engineer

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PROFILE

Resourceful, technically trained engineer. Able to identify problems and develop solutions that improve processes while leveraging company strengths. Understands the value of customer value activities. Driven by taking on new challenges and learning new skills. Maintaining a positive, can-do attitude has allowed even the most challenging projects to be completed with great success.

KEY SKILLS & KNOWLEDGE AREAS

- Robot programming (FANUC)
- Fundamental knowledge of CATIA V5
- High Pressure Die Casting (HPDC)
- Optical Emission Spectroscopy
- Mechanical Testing
- SMED Methodology

EXPERIENCE

FT Precision, Inc., Fredericktown, OH - Production Engineer (Die Casting) -- 2014 - PRESENT

- Implementing SMED best practices. Created tool changeover carts for both crucible and die changes. Organized casting department according to Kaizen philosophy. Project goal is a 30% reduction in changeover time by April 2018.
- Developed and implemented a new program for returning extraction robots to home position. Eliminated 90% of all robot collisions by reducing the need for manual intervention during the fault recovery process.
- Led project to reduce shot media usage throughout the plant. Resulted in reclaiming 40% of all discharged shot media. Reduced cycle time by 3 minutes, increasing the life of shot media by 20%.
- Installed water temperature controllers on machines to eliminate the need to manually preheat dies, reducing machine startup time by 15 minutes.
- Researched and redesigned existing ceramic ladles. Contracted local company to manufacture improved ladles, reducing unit cost by 17% and increasing tool life by 400%

EDUCATION

The Ohio State University, Columbus, OH - B.S. Materials Science & Engineering, 2014

- Focus in metallurgy