



CAST PRODUCTS, INC.

Job Description

Position Title: Techmire Set Up Technician

Last Updated: 9/19/2017

Prepared By: Human Resources

General Summary

Accountable for the proper set up of all Techmire machines in assigned work area.
Responsible for coordinating duties with machine operators to ensure quality standards are met.

Responsibilities

1 **Set-up**

Set up dies in the 2x2, 4x4, 6x6, and 8x8 Techmire machines or as directed by Set-Up Foreman.
Verify correct tool was received from the Tool Room.
Visually inspect tool prior to set up.
Select program for the job (NT).
Set nozzle and pot temperature.
Install the tool in machine using procedure outlined in Techmire manual.
Connect water line and check for water flow.
Adjust all clamp arms according to manual.
Clean limit or proximity switches.
Set limit switches or proximity switches after tension is set.
Adjust die lube spray lines.
Check that correct alloy for the job is in the holding pot.
Run machine in auto cycle with injection switch off and test all motions.
Run machine in single shot cycle with injection on and adjust shot pressure and shot speed.
Change rings on plungers, feeders, and security plungers as needed or directed.

2 **Process**

Make corrections to process as needed and work with Set-Up Foreman as necessary.
Adjust the machine to run new parts and set the program in the memory.
Sample new mold per sample request- under Set-Up Foreman supervision.
Work closely with machine operators and Quality Dept. to solve process and machine related problems.
Take last shot with the mold to the tool room.
Move cast parts to next operation when necessary.
Make sure all assigned machines are fully operational at the beginning of your shift unless directed otherwise by Set-Up Foreman.
Make sure the machines that are assigned for the next shift are left in fully operational condition.
Use only skids marked with tare weight.
Authorized to make any machine adjustments and repairs as needed, inform Set-Up Foreman.

3 **Communication**

Immediately inform Set-Up Foreman of any damage to the dies.
Inform Set-Up Foreman of any set-up delays or interruptions.

4 **Documentation**

Record all set-ups using the Set-Up Recording System.
Complete Tool Set-Up Verification sheet.
Complete Preventive Maintenance Checklist.
Record any major machine repair in maintenance log.
Authorized to make adjustments to set-up sheets. Inform Set-Up Foreman of changes.

5 **Quality**

Provide 1-5 shots and the Tool Set-Up Verification Tag to the first piece inspector.
Handle dies with care to prevent damage.

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Check quality of parts according to procedure.

Inform Set-Up Foreman and/or QC inspectors of non-conformities and stop the job.

Other

Follow the complete operational procedure of the assigned machine.

Be familiar with emergency procedures for both manual and automatic operation.

Check that all machine guards are in place.

Produce castings as required.

Train qualified operators on installation and removal of molds. Record training and give to supervisor.

Wear assigned P.P.E.

Perform other duties as assigned by Set-Up Foreman.

Follow CPI Rules and regulations regarding safety, discipline, cooperation, and teamwork.

Follow 5S Principals as outlined during 5S training.

All employee owned measuring equipment must be inventoried and calibrated by the Quality Department per calibration schedule.

All Set-Up Technicians must be responsible for, and have access to, copies of their quality training manuals. It is a requirement that all Set-Up Technicians bring this with them when they go through their performance reviews.

Job Specifications

Basic math skills

Basic reading

Basic computer knowledge

Heavy lifting required

Familiar with measuring instruments (i.e. micrometers, pin gauges, feeler gauges, torque wrenches etc.)

Basic knowledge of hand tools

Mechanical skills/aptitude

Mechanical repair knowledge

Experience setting up and/or operating production machinery, automated cells or production lines

Training Requirements

Internal Training (Techmire Set Up)

New Employee Orientation (EMP 101)

Quality Training per Operator Training Manual (MAN 205)

Safety Procedures

Reports To

Set-Up/Production Supervisor for Aluminum an

Supervises Directly

N/A