



LARGE SHAPES SPECIALIST (CASTING)

DEPARTMENT: Casting

REPORTS TO: Production Manager

DIVISION: Cortland

FLSA STATUS: Non-exempt

JOB CODE: 7004

EFFECTIVE DATE: July 20, 2018

JOB SUMMARY

Operate hand-controlled mechanisms to pour and regulate the flow of refractory into molds. Facilitate the safe and efficient preparation, mixing, casting, firing and finishing of refractory shapes. Complete work orders to build products of optimal quality with on-time delivery.

QUALIFICATIONS

Education/Experience

High School Diploma or General Education Development (GED) / Test Assessing Secondary Completion (TASC), or equivalent combination of education and life experiences. Minimum one (1) year experience in one or more of the following areas preferred: Mixing, casting, firing and finishing refractory shapes or concrete, and reading and interpreting work orders and following directions to determine required raw materials, supplies, tools and equipment needed to mold shapes.

Knowledge/Skills/Abilities

Mechanical Aptitude. Understanding of spatial reasoning, cause and effect, heat conduction, velocity, gravity and force. Ability to qualify in industrial vehicle use and demonstrate continued safe operation at all times.

Core People Skills. Ability to positively interact and work collaboratively with a diverse group of people at all levels of the organization. Genuine with high ethical standards and values and personal integrity and honesty. Ability to apply a large measure of common sense to a variety of situations.

Communication Skills. Ability to speak clearly and persuasively in positive or negative situations, listen and obtain clarification, and respond well to questions. Ability to read words and recognize similarities and differences between words and between series of numbers. Ability to read and understand documents such as work orders, policy manuals, safety rules, operating and maintenance instructions, and procedure manuals.

Computer/Applications Skills. Ability to clock into and out of jobs via computer terminals

Core Business Skills. Ability to exercise sound judgement and discretion in handling of proprietary and confidential information. Ability to work independently, without significant direction and to use resources effectively to "figure it out". Exceptional prioritization, time management and organizational skills. Ability to understand and use basic mechanical skills. Ability to define problems, collect objective data, establish facts and draw valid conclusion. Ability to read and understand basic drawings and work instructions. Ability to add, subtract, multiply and divide numbers. Ability to perform mathematical skills in the form of measurement and other work material calculations utilizing a calculator.

Professional Investment. Demonstrated commitment to own personal professional development and learning.



ESSENTIAL FUNCTIONS/RESPONSIBILITIES

1. Determine required raw materials, supplies, tools and equipment needed to create refractory shapes.
2. Examine and measure mold(s) to verify quality and dimensional accuracy in accordance with drawing specifications. Turn back molds that are out of tolerance.
3. Assess the quality of raw materials based on pre-determined standards. Examine molds to ensure they are clean, smooth, and properly coated
4. Measure amounts, temperatures, and characteristics of ingredients and mix to prescribed recipe to ensure uniformity.
5. Cast refractory using casting equipment, including vibrators and mounting apparatus.
6. Perform QC (Quality control) procedures, such as grinding and finishing, to ensure part(s) meet the defined Quality criteria.
7. Inspect shape(s) for part strength and integrity, surface quality and dimensional accuracy.
8. Safely operate cranes, fork trucks, overhead crane, and electric pallet jack.
9. Maintain records as needed by the department (paperwork and computer transactions).
10. Promote positive employee and customer relations by supporting Pyrotek's commitment to a working environment of tolerance, acceptance and civility. Respond appropriately to inquiries, concerns and complaints by being professional, courteous and respectful.
11. Maintain regular, consistent, reliable, punctual and predictable attendance, as required to achieve internal and external customer satisfaction.
12. Cooperate and comply fully with all Pyrotek policies and procedures. Actively support and follow the Pyrotek Safety Program.
13. Participate in company/department meetings, training activities, continuing education programs and other associated activities.
14. Consistently promote and communicate Pyrotek's core values through work performance and excellent customer service.
15. Work effectively within team environments both within your department and across the organization.
16. Cooperate and comply fully with all Pyrotek policies and procedures.
17. Keep work area clean and perform housekeeping duties as required.
18. Perform related work and other job assignments as required.



PHYSICAL/SENSORY REQUIREMENTS

The following physical activities described here are representative of those required by an employee to perform the essential functions of this position. Reasonable accommodation, if feasible, will be made to enable individuals with disabilities to perform the functions of position.

While performing the duties of this job, the employee is regularly required to talk, hear, and see. This position is very active and requires standing, walking, bending, and repetitive hand movements to position molds and adjust controls all day. The employee must frequently lift and/or move items over 50 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus. Employees performing this job must be able to wear protective or safety equipment such as safety shoes, glasses, gloves, hearing protection, and a respirator as needed.

WORKING ENVIRONMENT

While performing the duties of this job, the employee is frequently exposed to fumes or airborne particles, moving mechanical parts such as overhead cranes, vibration and moving vehicles. The noise level in the work environment and job sites can be loud.

Employee's Signature

Date

Manager's Signature

Date