



LARGE SHAPES SPECIALIST

DEPARTMENT: Casting Direct

DIVISION: Cortland

JOB CODE: 7004

REPORTS TO: Production Manager

FLSA STATUS: Nonexempt

EFFECTIVE DATE: 9/25/24

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 and ensure on-time delivery.

QUALIFICATIONS

Education/Experience

High School Diploma or General Education Development (GED) / Test Assessing Secondary Completion (TASC).

Prior experience in one or more of the following areas – mixing, casting, firing, finishing refractory shapes or concrete, preferred.

Knowledge/Skills/Abilities

Technical/Mechanical Skills. Ability to read and interpret basic drawings and work orders, and follow directions to determine required materials, supplies, tools, and equipment needed to mold shapes. Ability to use hand operated and power tools, and perform tasks with precision and manual dexterity. Working knowledge of spatial reasoning, cause and effect, heat conduction, velocity, gravity, and force. Basic mechanical and mathematical skills (addition, subtraction, multiplication, and division), and ability to apply form of measurement and other work material calculations utilizing a calculator. Ability to obtain and maintain industrial equipment certifications (e.g., cranes, forklift, and power jack).

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. Proficiency in writing clearly and concisely. Ability to vary writing style to meet business needs.

Computer/Applications Skills. Basic computer skills and ability to use a variety of software applications systems and scanning technology to clock in and out of jobs and track material usage.

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 define problems, collect objective data, establish facts, and draw valid conclusion. Ability to read words and recognize similarities and differences between words and between series of numbers. Ability to read and understand documents such as policy manuals, safety rules, operating and maintenance instructions, and procedural manuals.

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



ESSENTIAL FUNCTIONS/RESPONSIBILITIES

1. Correctly determine required raw materials, supplies, tools, and equipment needed to create refractory shapes.
2. Precisely measure mold(s) to verify quality and dimensional accuracy in accordance with drawing specifications; identify molds that are out of tolerance take appropriate action(s).
3. Thoroughly examine molds to ensure they are clean, smooth, and properly coated.
4. Evaluate the quality of raw materials based on pre-determined standards.
5. Measure amounts, temperatures, and characteristics of ingredients, and mix to prescribed recipe to ensure accuracy and uniformity.
6. Cast refractory using casting equipment, including vibrators and mounting apparatus.
7. Perform QC (Quality control) procedures, such as grinding and finishing, to ensure part(s) meet the defined quality criteria.
8. Inspect shape(s) for part strength and integrity, and surface quality and dimensional accuracy discrepancies.
9. Safely operate cranes, fork trucks, overhead crane, and electric pallet jack.
10. Maintain required department records (i.e., related paperwork and computer transactions), as needed.
11. Promote positive Team Member 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 at all times.
12. Maintain regular, consistent, reliable, punctual and predictable attendance, as required to achieve internal and external customer satisfaction.
13. Actively and positively participate in problem resolution, demonstrating constructive communication, timely response and effective resolution skills. Work effectively within team environments both within your department and across the organization.
14. Cooperate and comply fully with all Pyrotek policies and procedures. Actively support and follow the Pyrotek Safety Program.
15. Participate in company/department meetings, training activities, continuing education programs and other associated activities.
16. Consistently promote and communicate Pyrotek's core values through work performance and excellent customer service.
17. Perform other tasks as assigned.



PHYSICAL/SENSORY REQUIREMENTS

The following physical activities described here are representative of those required by a Team Member 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 functions of this position, the Team Member is continuously required to talk, hear, and see, regularly required to stand, walk, bend and reach, use hands and fingers to grasp, handle and feel, and perform repetitive hand movements to position molds and adjust controls. Frequently lift and/or move materials weighing up to 50 pounds, and occasionally team lift, maneuver/handle material weighing up to 75 pounds. Communicate effectively in English by telephone, in person and in writing. Effectively use a personal computer, basic calculator, and telephone. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus.

WORKING ENVIRONMENT

While performing the essential responsibilities of this position, Team Member generally will work in a manufacturing environment with frequent exposure to loud noise, moving mechanical parts, and fumes or airborne particles. Periodic exposure to outdoor environment through open doors. PPE (Personal Protective Equipment) such as approved footwear, respirators, safety glasses/goggles, required.

Team Member's Signature

Date

Manager's Signature

Date