

Bullseye Glass Co.

Job Description

Department: Production

Position: **Glass Caster**

Lines of Responsibility

Reports to: Casting lead, Casting Supervisor; Floor Manager and Plant Manager
Directs: NA

Essential Job Functions

- Set up rollers on forming table.
- Cast glass out of the furnace.
- Cast glass for all sheet glass styles.
- Cast without dripping excess glass.
- Spread molten glass on forming table.
- Roll glass on forming table.
- Stretch sheet glass on the reheat table.
- Operate the reheat table.
- Load sheets of glass into the Lehr from the reheat table
- Load sheets of glass into the Lehr from the forming table.
- Set up Fracture glass materials on the forming table.
- Mix Fracture chips for specific Fracture glass styles.
- Set up Fracture glass materials on the forming table.
- Prepare and tune the iridizer machine.
- Monitor and adjust furnace controls.
- Be capable of setting up all equipment used in the Glass Forming area.
- Understand and be able to react to equipment problems.
- Understand and be able to react to quality problems arising from the glass forming process.

Other Job Functions

- Understand and perform basic melting functions.
- Understand the variables of casting temperature, furnace pressure and atmosphere.
- Wash sheet glass at the end of the Lehr.
- General clean up of factory work area.

Requisites (Education, Training, Experience, Skills)

- Team player
- Take direction well
- Good communication skills
- Prior foundry, manufacturing and/or kitchen experience helpful

Training Period

Two years.

Physical requirements / Use of Senses

Standing/walking: Frequently. To move throughout the factory to the various assigned work stations.
Lifting/carrying: Frequently. Lifting molten glass in a ladle from the pot in the furnace to the forming table. Lifting individual sheets of glass to wash by hand or place in washing machine, stretch sheets on the reheat table, carry sheets to the Lehr from the reheat table and/or the forming table. Lifting boxes of fracture chips to prepare fracture mixtures. Typical weight lifted between 10 lbs. and 30 lbs.
Handling/grasping: Frequently. Grasping the ladle to dip into the pot in the furnace. Grasping spreading bar to spread molten glass on forming table and operating hand driven roller on forming table. Handling individual sheets of glass to wash by hand or place in washing machine, stretching sheets on the reheat table, carry sheets to the Lehr from the reheat table and/or the forming table.
Speaking/hearing: Frequently. To speak with employees and supervisors. To be able follow verbal

instructions and ask questions.

Finger dexterity: Frequently. Grasping spreading bar to spread molten glass on forming table and operating hand driven roller on forming table. Handling individual sheets of glass to wash by hand or place in washing machine, stretching sheets on the reheat table.

Near vision: Frequently. Casting glass out of the furnace, using the spreading bar to spread glass on the forming table. Observation of color quality and quantity in mixing fracture chip batches. Handling individual sheets of glass to wash by hand or place in washing machine, stretching sheets on the reheat table, carry sheets to the lehr from the reheat table and/or the forming table.

Far vision: Frequently. For maneuvering about the facility.

Mental requirements / Attributes

Interaction with others: Frequently. Communicates with co-workers and supervisors.

Time/deadline/shift/overtime requirement: Occasionally. May be required to work overtime as the need arises.

Attention to detail: Frequently. Accuracy is critical for almost all phases of the job.

Critical judgment: Frequently. May need to identify problems or assess situations quickly and be able to determine needed action.

Positive attitude: Continually. Essential while working in a manufacturing environment with time stressors and working closely with co-workers.

Operation of Equipment / Tools

Casting ladle: Frequently. To cast glass out of the pot in the furnace to the forming table.

Cookie sheet: Frequently. To move the sheet glass from the forming table to the reheat table and/or the lehr.

Iridizer: Occasionally. To spray irid mixture on sheet glass in reheat furnace.

Reheat table: Frequently. To reheat various styles of sheet glass.

Spreading Bar: Frequently. To spread molten glass on forming table.

Strip cutter: Frequently. To cut fuse test strips and trim sheets at the end of the lehr.

Tongs: Frequently. To move sheet glass from the forming table to the cookie sheet, from the reheat table to the cookie sheet and to stretch the sheets on the reheat table.