

Department: **Research and Education**

Position: **Fabricator/Technician**

Lines of Responsibility

Reports to: R&E Studio Manager and R&E Director

Supervises: NA

Essential Qualifications:

Strong sense and knowledge of art, architecture, and design

Hands-on experience in the arts and/or laboratory and/or trades

Strong math aptitude

Ability to work within tight tolerances

Strong attention to detail

Software: Word and Excel a must (Mac and/or PC)

Well-organized

Able to solve problems

Able to follow directions

Able to learn on a daily basis

Able to work methodically and scientifically

Comfortable with technology, especially computers and control systems

Ability to prioritize and work independently

Positive and open attitude

Strong written and verbal communication skills

Flexible

Bachelor's Degree preferred in Painting, Printmaking, Sculpture, Glass or Architecture

Valid ODL

Helpful Skills

Experience working with glass (or other materials) in a fabrication capacity

Experience with kiln-formed glass, using kilns and computerized control systems

Experience with cold-working glass

Metal fabrication

Adobe Photoshop, Illustrator

3-D modeling such as Rhino3D and AutoCad

Digital fabrication experience (CNC, 3D Printing, Laser-cutting, etc.)

Essential Functions

Make samples and finished works in kilnformed glass

Develop systems for making this work

Document methods, results, and costs

Work with team, artists, designers, and clients

Other Functions

Work with entire R&E team to meet department and company goals
Work on a large variety of tasks to meet goals and build knowledge base
Work with interns and employees to train them in methods
Maintain a friendly, clean and safe environment

Physical requirements / Use of Senses

Sitting: Regularly, to accomplish necessary desk and bench work.
Standing/walking: Frequently, to move throughout factory, studio, visit sites and clients, and to work at stationary machinery.
Lifting/carrying: Frequently (50 lbs. +), to move materials, supplies, finished work and samples.
Bending/twisting: Occasionally working with kilns.
Handling/grasping: Frequently, to use various a range of tools and materials.
Speaking/hearing: Frequently, to speak with team members, clients, visitors, and other outside agencies. Must be able to communicate on the telephone.
Finger dexterity: Frequently, to work with a range of tools, materials, and equipment, including computers and controllers.
Finger sensitivity: Frequently, to evaluate texture.
Near vision: Frequently, for setting up detailed work, evaluating results, judging color and surface qualities, computer entry, reading reports and correspondence.
Far vision: Occasionally, for maneuvering in the facility and beyond.

Mental requirements / Attributes

Interaction with others: Frequently. Communicates with team members, clients, and other outside agencies.
Time/deadline/shift/overtime requirement: Frequently. Job requires considerable organization and time management to meet deadlines and monitor work in process.
Attention to detail: Constantly. Accuracy is critical for almost all phases of the job.
Critical judgment: Constantly. Need to anticipate and identify problems or assess situations quickly. Need to be able to monitor and evaluate priorities and handle interruptions and reassess direction. Need to possess and employ social intelligence skills.
Positive attitude: Continually, this is essential while working in an environment with time stressors, daily deadlines, and client interaction.
Intense Concentration: Frequently, to work through complex tasks, maintain focus, remain flexible.
Listening: Continually. Need to be able to pay attention to explicit and implicit meaning in communication.
Reading comprehension: Frequently, to understand and learn detailed information

Operation of Equipment / Tools

Computer: Frequently, for documentation, creation of drawings and plans, research, reporting, and communication.

Photocopier: Occasionally, to make copies and scan documents.

Telephone: Occasionally, to communicate with inside and outside agencies.

Writing and rendering instruments: Frequently, to communicate, keep records, and to illustrate ideas and documentation.

Kilns and other high temperature devices: Frequently, to form glass.

Vacuums: Frequently, to clean.

Coldworking (grinding and polishing) tools: Frequently, for finishing work.

Walk-in Sandblaster: Occasionally, for sandblasting work.

Hand tools: Frequently, for preparing materials, etc.

Power tools: Occasionally, for a variety of reasons, including coldworking (above).

Specialty glass tools: Frequently, to prepare and finish materials and work.

Forklifts/Powered pallet jacks: Frequently, for moving work, materials, and supplies.

Dolly/Cart/Rolling Rack: Occasionally, for moving work, materials, and supplies.

Personal Protective Equipment: Frequently, working while wearing PPEs, sometimes for extended periods. Examples include respirator (half-face negative pressure and/or PAPR), gloves, gauntlets, and protective eyewear.