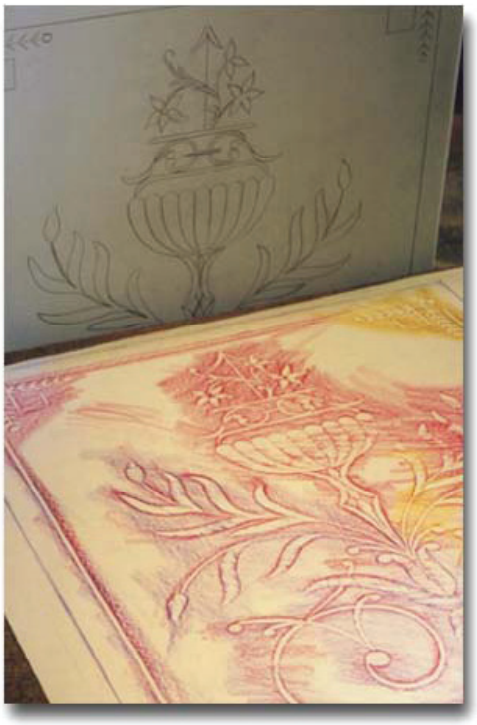
Lehmann Glass Studio

Specializing in Wheelcut Glass



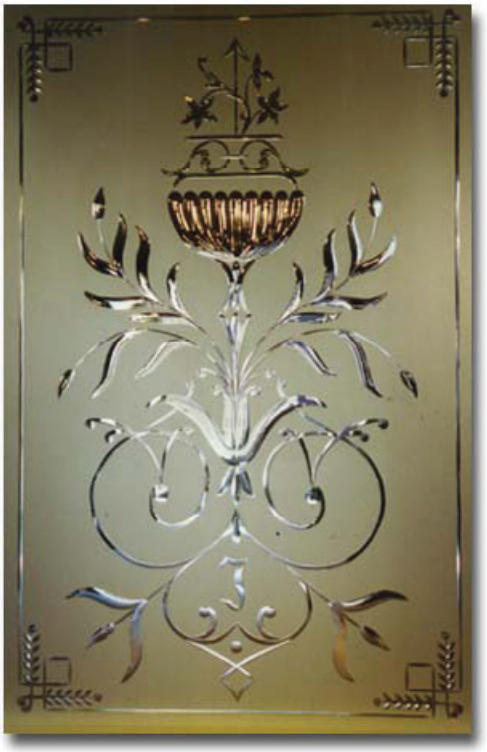
"Jerome Panel Design"
Hotel Jerome, Aspen, Colorado

First of all, we would like to Thank You for giving us this opportunity to introduce you to our services.

Whether your needs are professional or personal, every panel that we produce or reproduce is custom designed to your specified needs. It is important to us that any design ideas and suggestions are both welcome and appreciated.

Enclosed in this portfolio are photographs of previous work done by Lehmann Glass. Some of the work shown is sculptural, but most is architectural.

Also, included are some technical descriptions of glasscutting and examples of panels from a Victorian catalog of the early 1900's.



"Completed Jerome Panel"

1793 12th Street, Oakland, CA 94607 • tel/fax: 510.465.7158
andreas@lehmannglass.com • www.lehmanglass.com

Technical Descriptions

Cut-glass is a 'coldworking' technique. The glass is cut and shaped while it is cold rather than hot, as in glass-blowing, fusing or bending glass. In cut-glass, the main tool is a stationery lathe, which is a shaft with a spindle. On the spindle, different wheels with different profiles and textured are attached.

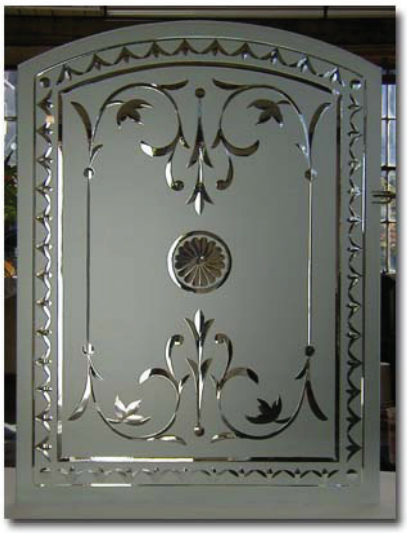
The wheels are separated into four categories:
Roughing, smoothing, medium polish, optical polish.

The profiles of the wheels are responsible for the shape of the cut on the glass. Example: If the wheel has the profile of a 'V', then the cut is a 'v-groove'. It is possible to shape the wheels to any profile imaginable, which in turn, opens a wide range and variety of design possibilities.

The first two stage of glass cutting, roughing and smoothing, are done with the aid of water, which cools the glass and prevents 'heat cracks' and flying particles. The final two stages of medium and optical polishing are achieved with the help of cork, wood and felt wheels. A constant application of pumice – volcanic ash – and then, cerium oxide is applied to the wheels. Both of these compounds are mixed in water to also prevent cracks and dust.

Since a stationery lathe is used to do all of the cutting, each panel, regardless of its' size and thickness, is hand carried and held over the lathe. At times, a vacuum cup is attached to a pulley system helps in alleviating the weight of the glass.

Cut-glass is a time consuming technique demanding precision and patience. In cut-glass, the beauty derives mostly from the prismatic effects the finished cuts will give once light travels through it. All of the cuts have a different optical effect, which altogether are composing a 'brilliant visual symphony'.



"Hoffman Panel", Santa Ana, Calif.

These are the steps that are taken to create a panel:

1. Using sketches and full scale drawings.
2. Marking the design on the glass.
3. Roughing the cuts with Silicon Carbide wheels.
4. Smoothing the cuts with Ceramic based wheels.
5. Pumice polishing with solid wood or cork wheels.
6. Cerium Oxide polishing with fine felt wheels.

Cost Information

The cost of wheelcut glass panels depends on the degree of intricacy in the design. Work on heavy plate glass, specialized custom designs, weight and size limitations are also cost considerations.

All projects are quoted individually, and all estimates are at no cost to you.

For further information and consultations, please do not hesitate to give us a call at: (510) 465-7158

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FREQUENTLY ASKED QUESTIONS

1. Should we use safety glass, standard plate glass or tempered glass?
In most instances of replacing historic brilliant cut panels, safety glass is not required. If your circumstances specify safety or tempered glass, we will use laminated safety glass. It is not possible to wheel-cut on tempered glass.

2. How do you price the panels?
All glass panels are handheld and hand cut over a stationary upright cutting wheel. Some of the factors to be considered in pricing are:

a. Size of the panel
b. Thickness and weight
c. Intricacy of design
d. Matching to an existing original
e. Job size (Discounts may be granted for multi-panel jobs)

Because of these variables, we estimate each job individually at no cost. As a vague guideline, prices usually fluctuate between 150.00 to 600.00 USD per square foot.

3. How do you design the panels?
For reproduction and duplication work, we require pictures and if possible, a rubbing on paper from the original panel.

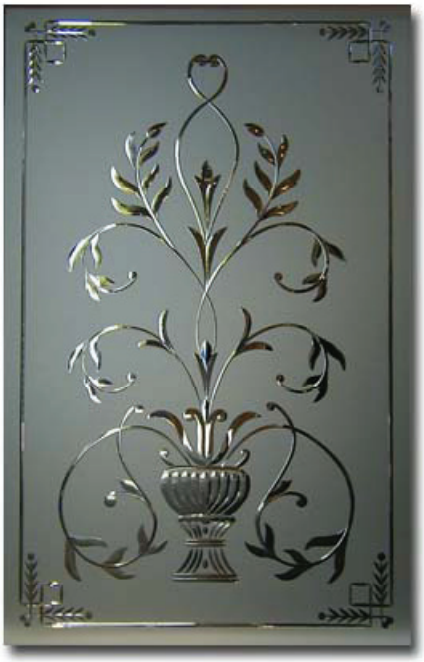
If you require us to do a custom design, any input you may have is welcome. Pictures of the room in which the artwork will be located are helpful, so that your glass panel matches well with your existing interior and architecture. Custom designs are subject to a Design Fee in proportion to the job size and are sent to you in form of pencil drawings.

We do include two pages of Historic designs taken from a 19th century Victorian catalogue in our Information Package. You can also view additional work on our website at - www.lehmannglass.com.

4. How large a panel can you handle?
The comfortable size range is up to 14" x 60".
The added difficulty range is up to 22" x 60".
The challenging range is up to 36" x 60".
Taller panels for sidelights are possible up to 18" x 84".

5. Does Lehmann Glass Studio install the panels after they are completed?
No. We do not do any installations. Any competent contractor, carpenter or woodworker will be able to install the glass for you.

6. How do you ship the panels over a long distance?
We build our own crates out of plywood. The glass panels are sandwiched between styrofoam boards and the crates are sealed. We ship via Air because it is safer and quicker. We insure our work until you open the crate. An average Crating and Shipping cost is added to the Estimate. (This cost may change on the final invoicing.)



"Private Residence", Saratoga, CA

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