

## Glass Restoration & Polishing

Service One, Inc., the recognized name in window cleaning, scaffolding, rigging, and equipment access, is pleased to offer our innovative Glass Restoration Services.

Service One's technicians have expertly restored all types of architectural and marine glass, including glass damaged by:

- Acid etched graffiti and scratches
- Hard water deposits and silicate runoff from glass and stone
- Damage from razor blades or improper cleaning
- Glass corrosion and oxidation stains
- Scratches and damage caused during construction on installation
- Weld Splatter (Some defects may require replacement)
- Grind marks from sanding, grinding, or painting of adjacent surfaces
- Distortion and roller marks from low quality tempering process
- Damage from fabrication debris
- Restoration of marine glass and metal
- Restore clarity to display cases, glass tables, historic curved glass and art glass



## The Service One Solution

Our process combines experience and innovative technology for distortion-free results:

- Safe on heat strengthened, tempered glass, curved glass and glass furniture
- Multi-Step process can remove most scratches
- Distortion Free Results
- Photographic documentation and Insurance claim processing
- Quick response time for removal – usually with 24 to 48 hours

Trust your investment to the Service One professionals- we have restored THOUSANDS of windows, from storefronts to high rises!

## Patented Process

Architectural glass and the related manufacturing and fabrication technologies have evolved amazingly in recent years, and with a new generation of tempered glass coatings, called Low E glass, the cost of replacement has skyrocketed.

As one of the most experienced commercial glass restoration contractors in the Midwest, we have over 31 years of experience in the glass maintenance industry. The "GlassRenu" process is by far the industry's most innovative glass scratch and corrosion removal system ever invented, and has revolutionized the ability to restore most glass surface damage.

Years of research and trial and error went into the development of this mechanical glass restoration process, which incorporates the patented "GlassRenu" technology. This process polishes the glass using dry, superfine crystalline abrasives, which have been deposited on special cushioned discs. Since many of our glass restoration projects are high rise facades, our technicians have extensive experience in restoring glass from swing stages and boom lifts.

Depending on the type of damage, the glass is polished with a series of abrasive polishing discs. Similar to polishing brass or non-ferrous metal, the glass surface is polished using a series of labor intensive polishing steps.

The first steps repair the glass by removing microns of glass stock from the damaged area by grinding the defects uniformly from the surface. Subsequent dry steps polish and hone the glass with a series of finer and finer polishing discs. The dry grinding and polishing steps are followed by a pre-polish, then wet polishing using a slurry of fine cerium oxide and silicates.

This process results in removal of all scratches, swirl marks and surface damage with no discernible distortion.

One of the unique features of the "GlassRenu" system is that the polishing disks are fabricated using a patented process that deposits the abrasive crystals in such a manner that the polishing process fractures the crystals, which results in consistent, uniform results. RenuDisks are engineered to cushion the disc during aggressive field grinding. These discs allow for significant glass stock removal to effectively eliminate deeper damage than any other system on the market, without leaving the glass looking like a "FUN HOUSE MIRROR"!

***Our goal is restoration NOT replacement. Replacement can be costly: factors such as location of the glass, the need for suspended scaffold equipment, labor, lead time to obtain the glass, and disruption to tenants all make restoration more economical and practical. Our process allows restoring your scratched or damaged glazing IN PLACE, without the need for costly replacement.***

