



Building Partners
through Glass
HARTUNG
GLASS INDUSTRIES

Hartung Glass Northern California

Hartung Glass Industries - Northern California

Ranked as a top North American glass fabricator by Glass Magazine, Hartung Glass Industries is one of the fastest growing, most dynamic, total service glass fabricators in North America. Celebrating over 90 years of continuous operations as an enterprise, HGI Northern California houses some of the industry's most leading edge tempering and distortion measurement equipment enabling the flatest glass available. With nightly product transfers between bookend locations in Sacramento and Union City, Hartung Northern California strives to achieve a nearly seamless operation offering added redundancy, balanced lead times and service.



Total Vision Systems (TVS)

From decorative sliding and stacking doors to heavy glass walls, Hartung offers a complete line of entrance solutions and partners with the most trusted hardware suppliers in the industry including CRL, Dorma and Agalite. Hartung TVS All-Glass Doors can be combined with many of our decorative glass products including HDG Digital In-Glass Printing allowing for the perfect combination of privacy, design, safety and resilience.



Commercial Insulating Glass Units

Hartung Glass offers a comprehensive range of IGU solutions to help meet strict Bay Area building energy code requirements and federal regulations including LEED and ASHRAE. Our high performance, energy efficient products feature Guardian SunGuard, PPG Solarban, solar control ceramic frit patterns, warm edge spacers and argon gas. There are over a billion ways to fill a hole in the wall. Consulting with the glass experts at Hartung Northern California as early in a project as possible can save time, money and improve the glazing system's overall performance.



OSPREY®5 DISTORTION MEASUREMENT SYSTEM

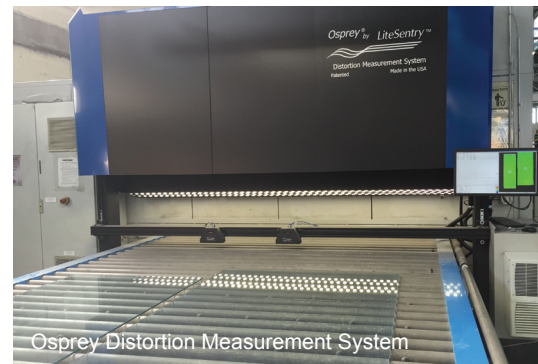
Hartung Northern California's Uniglass 95" x 168" tempering line with forced convection technology features an on-line distortion measurement system where every lite is measured for maximum distortion tolerances including roll wave, millidiopter and bow/warp. Results from each piece are documented and available upon advance request.

The Osprey®5 by LiteSentry™ is the world's leading measurement system for tempered glass, and is the only measurement system in the world capable of meeting the requirements of PPG Certified Fabricators, Guardian Select Fabricators, and suppliers to US government contracts. Osprey®5 provides the most current technology in optical distortion measurement for heat-treated glass.

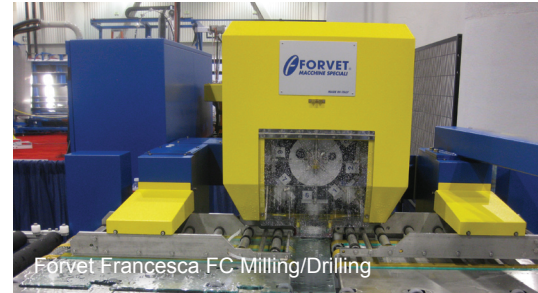
The Osprey®5 measures all types of optical distortion including roll wave, edge kink, local bow, pocket, side kink, hammer, bird's eye, picture framing, belly banding, edge lift and all other types of distortion. Utilizing patented optics, high-speed cameras and powerful algorithms, Osprey®5 by LiteSentry™ is widely recognized as the new industry standard.



Fushan Polisher



Osprey Distortion Measurement System



Forvet Francesca FC Milling/Drilling



Fleet Additions: Rack, Boom & Flat Beds



181 Feemont
San Francisco, CA



SFPUC Building (525 Golden Gate)
San Francisco, CA



SFPUC Building (525 Golden Gate)
San Francisco, CA



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Hartung Glass Product Line Card

Case, Stock Sheets & Cut Size

Clear	Texture
Heavy & Light Cases	Tint
Laminated Billets	Reflective
Low-E	Wire
Mirror	Frameless Shower Enclosures

Fabrication

DXF Cutting	Mitering
Flat Polishing	Beveling
Pattern/Template Cutting	Pencil Polishing
Forvet CNC Holes, Notches and Cut-Outs	Shape Polishing & Beveling

Heat Treating

Custom Tempered	Tempered Stock Sizes
Custom Heat Strengthened	

Insulating Glass Units

4th Surface High Performance Low-e	Guardian SunGuard
Argon Gas	Stock Patio Door Units
Dual Seal Polysulfide*	Technoform TGI Warm Edge Spacer
Dual Seal Silicone (Black)	Tempered, HS and annealed
Muntin Bars/Grids	

Total Vision Systems (TVS)

HGI Frameless Total Vision System (TVS) Glass Doors, Railings and Partitions allow for the maximum use of visibility, daylight and design. Hartung's new **Total Vision System All-Glass Worksheet is now available in Northern California**. This free tool is designed to simplify the estimate and ordering process by using an itemized check box process in order to build up an all-glass door.



General Services

"A" Frame Delivery	Design Consultation
Boom Truck Delivery	Estimating Services
Commercial Submittals	Job Site Delivery
Crating	Product Samples
Freight solutions for commercial and specialty products	

Specialty Items

EasyClean10 Glass Protection	Berman Glass editions
Guardian ShowerGuard	
Vetrotech Saint-Gobain Fire Rated	

Equipment

Two furnaces (Tamglass/Uniglass)	Forvet Francesca
Bystronic/Lisec IG line	3 polishers (Bovone/Fushan)
Hegla cutting table & gantry	Fleet of 10 trucks

Certifications/Associations



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sacramento@hartung-glass.com



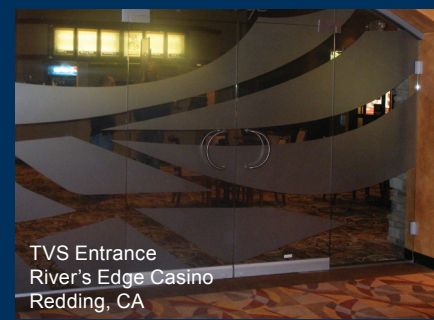
Total Vision Interior All Glass Door & Wall
San Francisco Public Utilities Commission Building
525 Golden Gate



TVS Entrance and Structural Wall
Watergate Towers
Emeryville, CA



TVS Partition
with Impressions Silkscreen Ceramic Frit
525 Golden Gate



TVS Entrance
River's Edge Casino
Redding, CA