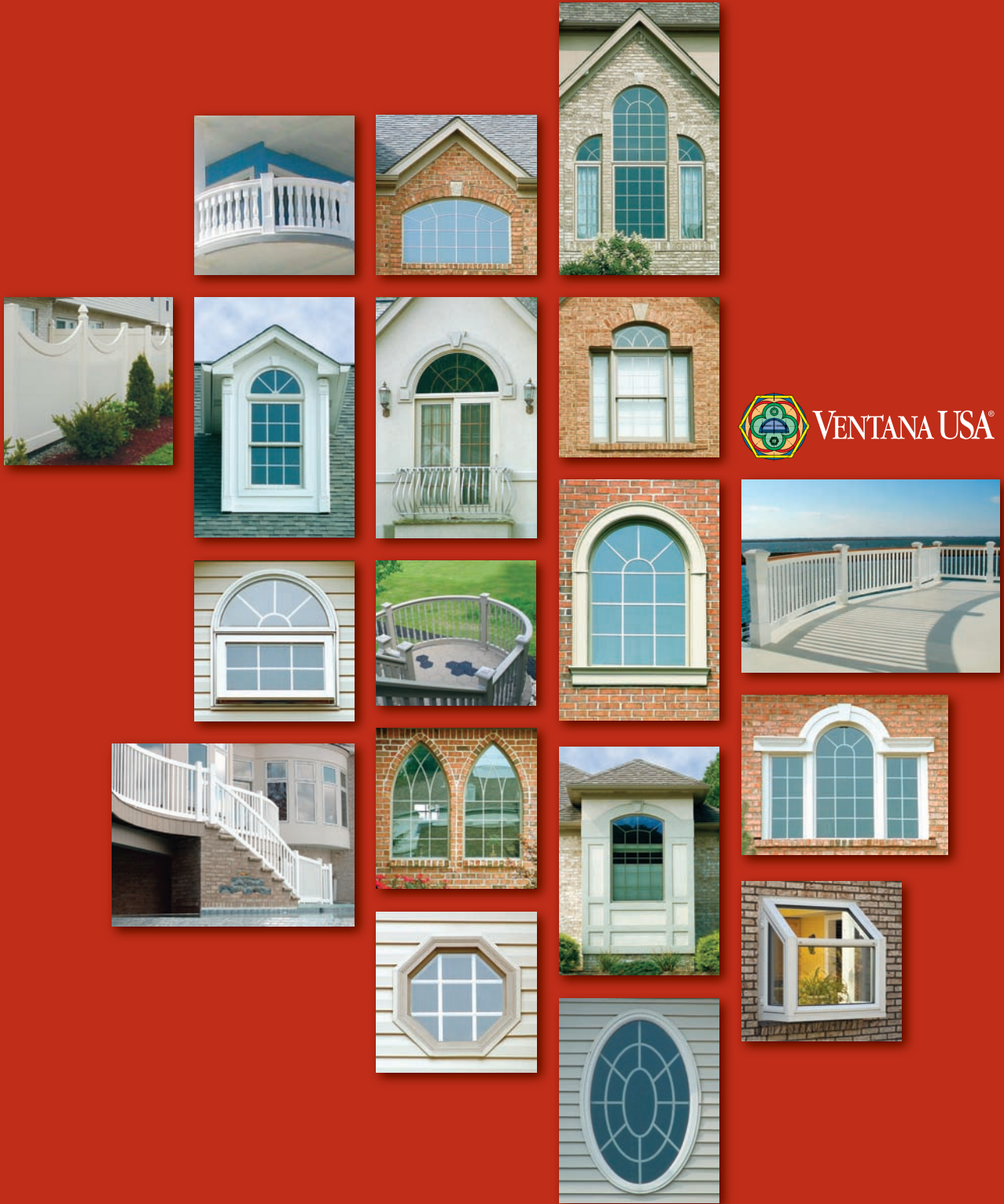


# Vinyl Bending and Specialty Products



 VENTANA USA®

## Welcome to Ventana USA

Ventana USA® began manufacturing architectural shapes for the North American vinyl window market in 1987. As a pioneer in vinyl bending technology, our reputation for innovation, quality and service has us maintained as a leader in the business today. Our vinyl window shapes are designed to meet the demands of architectural style; superior engineering and precision manufacturing help ensure the lasting performance and value of each unit.

In 2000, Ventana USA started producing bent vinyl components for fence, lawn/garden and railing applications. In 2003, we introduced reinforced curved vinyl deck railing. Our expansion into these product lines is a natural extension of our skill as a vinyl bending expert. Today, we're supplying fence fabricators with a wide array of bent and routed shapes for the rapidly growing fence, deck and railing markets (FDR).

Our years of vinyl bending experience have also led us into the development of new techniques to produce bent vinyl components for specialty products in other industries, including lighting, furnishings and mechanical systems.

Since the beginning, we have been strongly committed to working with our customers as an extension of their business, as partners to achieve success.

**As an outsource supplier,** Ventana USA offers a cost-effective solution that allows fabricators to concentrate on their core business and eliminates the need for them to deal directly with the daily complexities of manufacturing architectural shapes. It also permits more efficient use of their own production floor space and, at the same time, expands their product offerings from our complete line of specialty products and components.

**As a backup supplier,** Ventana USA's vinyl bending expertise benefits fabricators who need stock sizes or difficult shapes that are labor/time-intensive to produce. Our quality, options, lead times and service help keep their production lines running smoothly.

Whether Ventana USA is teamed as an outsource or a backup supplier, we are continually advancing our products and services to support our customers and meet the diversified challenges of an ever-changing marketplace.



Ventana USA operates two manufacturing facilities, Ventana I and Ventana II, in Export PA (twenty-five miles east of Pittsburgh).



# Windows and Doors

Ventana USA manufactures custom bent architectural vinyl windows in 25 different shapes. Our product line also includes operable shaped units, casements and awnings, garden windows, bays and bows, a sliding door, and casings and jamb extensions. Our precision manufacturing techniques allow customers to have the additional option of ordering separate components (frame, glass, grid, casing and jamb) to finish the unit(s) in their own facility.

## Glass and Grids

We offer numerous glass options: clear, Low-E, heat mirror, laminated and decorative. Upon request, we can provide NFRC-certified IG units and soft coat Low-E. We stock glass from a wide variety of manufacturers.

Several sizes of flat and contoured aluminum grids are stocked in white, bright white and tan. We also can use other colors and sizes provided by the customer. Decralite\* one-piece seamless grids are available in both flat and contoured profiles in a variety of sizes and colors. All of these grids are designed to be placed inside the IG unit (GBG).

## Hardware

All of our operable windows feature high-quality hardware. The dual arm operator and scissor hinge mechanisms provide easy opening, tight closing, extra security and extended durability. The multi-point locking systems securely lock the sash at top and bottom for draft-free thermal protection.

## Exterior/Interior Casings and Jamb Extensions

For exterior casing such as the "Boston" or "New England" architectural window styles,

we bend vinyl casing profiles for a variety of different shapes and window systems.

For interior trim components we bend Quick-Trim,\* an excellent alternative to wood that is extruded from a custom blended cellular PVC. The outer skin of the extruded profiles has the appearance of a woodgrain finish. Like wood, this material can be painted or stained. We bend and fabricate Quick-Trim in a wide selection of casing profiles and jamb widths.



Architectural Single-Hung



Operable Octagon



Series 3000 Architectural Casement



Architectural Combination Casement



Series 2500 90° Bay



Series 2050 Garden Window



Specialty Grid Systems



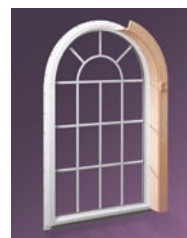
Series 3100 Casement



Series 4000 Sliding Door



Series 2051 Stucco Replacement Garden Window



Quick-Trim Casing & Jamb Extension



# Fence, Deck and Railing

## Fence and Lawn/Garden Products

Ventana USA is bending and routing material from a wide variety of vinyl extruders to create some of the most popular fence components previously available only in wood or metal: radius rails, scallops, inverted scallops, drops, curve transitions, S-bends, arbor arches and arch tops.

## Reinforced Curved Deck Railing

We bend vinyl railing profiles with aluminum reinforcement to a minimum radius of 36 inches. This innovative product allows FDR fabricators to further "accessorize" their product lines and greatly increases their options for unique design applications.

## Additional Information

To obtain detailed literature on any of our products, please give us a call, send us an eMail, or visit our website.

\* Decralite is a registered trademark of Custom Glass Products, Inc.  
 \*\* Quick-Trim is a registered trademark of Royal Mouldings.



Radius Corner



Scallop Rail: 6-inch drop



Scallop Rail: 16-inch drop



Arbor Arch



Arch Top



Inverted Scallop Rail



Slope Rail: 12-inch drop



Slope Rail: Curve Transition



S-Bend



Reinforced Curved Deck Railing



## Support and Service

### Engineering

Using the customer's basic product criteria and weep specifications as a starting point, our engineering department develops the tooling, manufacturing process and equipment required for bending specific profiles and new products.

As part of Ventana USA's dedication to maintaining excellent product quality and consistency, this department also conducts ongoing research into new methods for improving processes and equipment.

### Customer Support

Ventana USA offers outstanding products with quick turnaround and on-time delivery. Our customer support team has the experience and resources to respond quickly to customer requests for quotes, technical specs and job tracking. They can provide CAD drawings, information on glass types and sizes, profile limits and grid configurations. Product samples and promotional literature also are available. Upon request, they will conduct sales and product training seminars at the customer's facility.

The professional outside sales representatives we work with have a strong foundation of experience in the fenestration industry. They visit customers on a regular basis.

Our electronic order processing system permits transmission of orders by e-mail. Upon receipt, orders go directly into production. A progressive job-tracking system allows us to monitor the status of an order as it moves through production and into shipping.

### Inventory and Stock Programs

Ventana USA stocks profiles from the nation's major extruders in white, bright white and tan. We also offer the option of stocking customer-owned material in our facility. A computerized inventory system gives us the ability to provide monthly stock management reports.

Our preseason stocking program enables customers to prepare for their busy season. During the winter months, we produce the quantities of certain popular shapes that they will need. We hold the units in our inventory and invoice them as they are shipped. This program allows for a quick turnaround to meet peak demands during the spring and summer.

### Packaging and Shipping

The packaging systems we use for safe transport of our windows include foam reinforcement and shrink-wrapping. Larger units are sent in specially designed "one-way" shipping racks; smaller glazed units are packaged in foam-lined cartons. Shipments for customers who pick up at our facilities are packaged on customer-supplied racks.



Our sister companies Ventana Deutschland and Ventana France serve the window and fence markets in Europe.



Ventana Deutschland (Vreden, Germany)



Ventana France (Faulquemont, France)



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