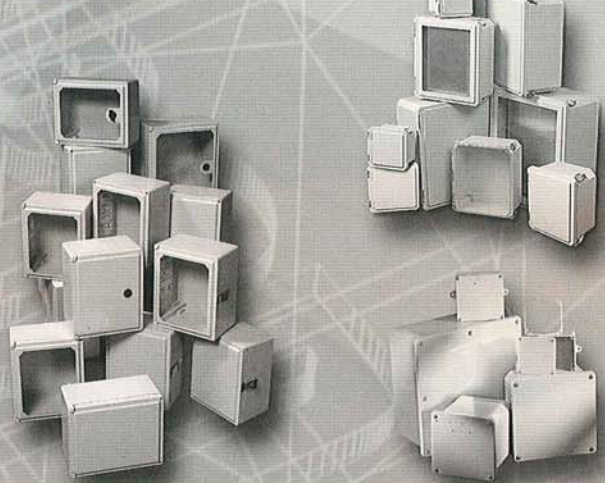
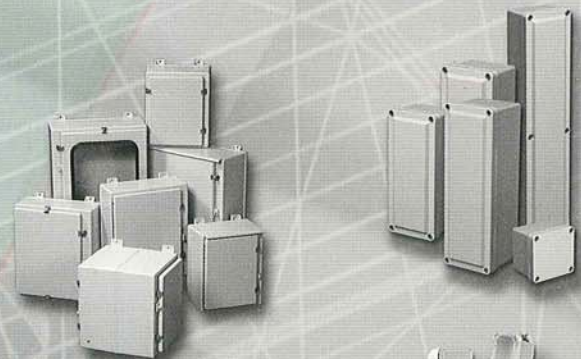
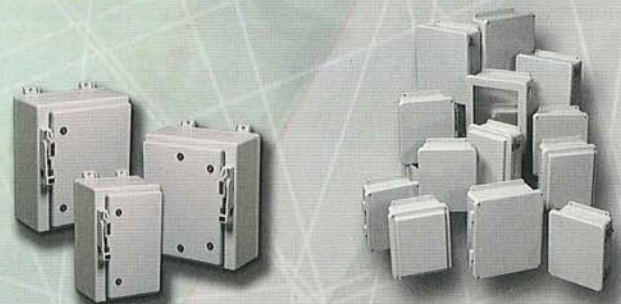
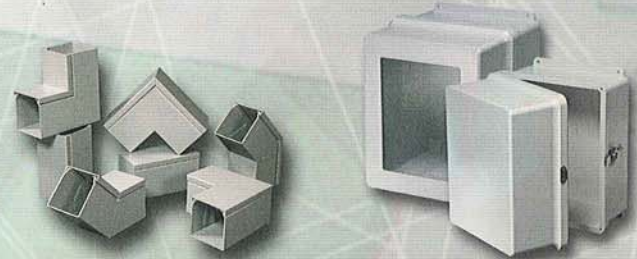
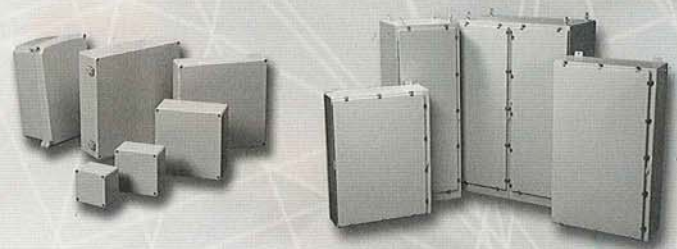




**STAHLIN**

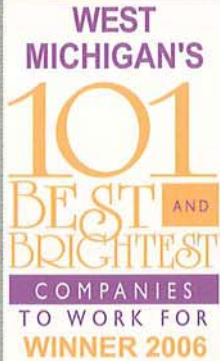
*Stahlin Non-Metallic Enclosures*  
**Products & Capabilities**

*Fiberglass Electrical  
& Instrumentational Enclosures*





**RIGHT PRODUCT  
RIGHT PRICE  
RIGHT NOW**



## ***Stahlin® Enclosures Are The Most Specified Non-Metallic Electrical Enclosures In The World.***

### ***Why?***

- Because of unsurpassed, proven product performance quality.
- Because we are the actual pioneers of fiberglass enclosures.
- Because we offer the largest available selection of non-metallic enclosures.
- Because of Stahlin's competitive pricing.
- Because of our ability to meet your needs...right now!

Your benefits are rooted in more than 50-years of Stahlin engineering and manufacturing experience in solving unique requirements.  
**Put simply:** we build non-metallic enclosures that meet your needs, with quality that will exceed your expectations.

### **Stahlin provides the most extensive in-stock line of non-metallic enclosures and accessories including:**

- CF Series – Small Junction Enclosures
- Pushbutton Series – Inline and multi-hole pushbutton enclosures
- New Sentry PVC - Junction Enclosures, PVC
- J, RJ Series - Junction Enclosures
- Diamondshield Series - Junction Enclosures, DS
- Classic Series – Classic Series Enclosures, CL
- Duraboxx Series – Junction Enclosure, shallow depth, D, DL
- Wall mount Series – Control Enclosures, N
- Disconnect Series – Control enclosures with disconnect handle, C
- Control Tower Series – Large free-standing and wall mount enclosures, N
- Wire way, Trough – Wire management system, W, FT
- Mounting Panels – Panels for all enclosure series
- Accessories – Various accessories for use in electrical applications
- Custom Products – Custom designed products for specific uses

**Because we are the primary source producer of all our own enclosure components, we provide you assured quality control. From a single manufacturing location we:**

- Formulate and blend our own fiberglass composite including patent-pending SolarGuard™ for unequaled UV resistance.
- Mold our enclosures using the highest processing standards.
- Integrate CNC and other technologies to optimize bonding, gasketing, customizing functions, and final assembly processes.
- Maintain a balance between appealing aesthetics and stringent physical property performance standards including NEMA 4X and NEMA 6P integrity.

**Stahlin is competitive from the word “Go!” for three primary reasons:**

- We have hands-on control of our integrated, inhouse manufacturing process from first step to last touch.
- Non-metallic enclosures offer significant economic savings over metallic alternatives such as stainless steel, yet provides comparable or superior physical property benefits.
- We are price competitive with other non-metallic material options while frequently offering better performance value.

**The unique added value of our non-metallic enclosures brings you protection from the high cost of failure.**

**On top of these many benefits, Stahlin also assures you of the fastest available turnaround from immediate professional design assistance to on-time delivery.**

## **Small Enclosures: Stahlin Offers Four Product Lines To Satisfy Small Dimensional Requirements (3" x 3" to 12" x 12")**

### **CF Series – Small Junction Enclosures**

The Stahlin CF Series was designed for use in compact or portable control systems or for use as an operator interface in both indoor and outdoor environments. They can also be used as general junction or termination point enclosures in an electrical system. The rugged and durable design allows them to be used in many MRO and OEM applications. The slim design style allows easy use of pushbuttons and switches in machine control applications or where tight or dense space requirements are necessary.

- 9 sizes available
- Size range from 3" x 3" to 17" x 3"
- No sidewall obstructions
- Up to UL/CSA 4X, 6P



### **F Series – Small Junction Enclosures, back panel provisions**

The Stahlin F Series was designed for use in compact or portable control systems or for use as an operator interface in both indoor and outdoor environments. They can also be used as general junction or termination point enclosures in an electrical system. The rugged and durable design allows them to be used in many MRO and OEM applications. Back panel provisions provide a degree of capability for both junction or termination points as well as a more complex operator interface in control stations.

- 2 sizes available
- 7" x 6" and 9" x 6" sizes
- No sidewall obstructions
- Overhanging cover
- Back panel mounting provisions
- Up to UL/CSA 4X, 6P



### **Pushbutton Series – Inline and multi-hole pushbutton enclosures**

Stahlin's Pushbutton Series has been developed for general-purpose electrical and electronic applications and control stations. Designed to be easily adaptable for most common pushbuttons and indicator lights, the pushbutton series is designed for compact portable control systems or for use as an operator interface in both indoor and outdoor environments. They can also be used as general junction or termination point enclosures in an electrical system. The rugged and durable design allows them to be used in many MRO and OEM applications. The slim design style allows easy use of pushbuttons and switches in machine control applications or where tight or dense space requirements are necessary. The multi-hole pushbutton series is similar to the in-line pushbutton series and can be used where there is a significant increase in the number of control circuits requiring operator interfacing.

- 21 configurations available
- Size range from 6" x 3" to 13.5" x 11.5"
- No sidewall obstructions
- Grounding strap included
- Up to UL/CSA 4X, 6P



### **New Sentry PVC - Junction Enclosures, PVC**

The Stahlin New Sentry PVC product offering constitutes a line of thermoplastic PVC junction enclosures for general purpose and industrial applications. Such uses include outdoor landscaping, agricultural, marinas, car washes, and many residential uses. These enclosures are well suited for extremely wet applications or uses and corrosive environments both indoor and outdoor. Their small footprint and extra deep features allows use in tight or dense spaces.

- Size range from 4" x 4" to 12" x 12"
- No sidewall obstructions
- Made from water resistant PVC and PVC gaskets
- Cost effective to general purpose applications
- Up to UL/CSA 4X



## **Instrument Sized Enclosures: Stahlin Offers Four Product Lines To Satisfy OEM Packaging As Well Junction Needs (6" x 4" to 24" x 16")**

### **J, RJ Series - Junction Enclosures**

The Stahlin J Series product line was developed as an industrial enclosure for harsh, aggressive environments. Originally developed as an electrical junction box for the oil refining and petrochem industries, the J series has evolved over the years into a versatile industrial enclosure with varied applications for use from high-end electronics to extreme corrosive applications both indoors and out. Rugged design combined with tough, durable materials, for extreme reliability in tough environments are key attributes of this series.

- Over 300 configurations available in 13 sizes
- Size range from 6" x 4" to 20" x 16"
- Flat, raised, bonded window, and clear cover options available
- 7 cover securement methods available
- Integrally molded mounting flange
- Up to UL/CSA 4X, 6P



### **Diamondshield Series - Junction Enclosures, DS**

The Stahlin Diamondshield Series is our newest complete product offering developed for design flexibility and pleasing aesthetics. Applications include high-end electronics, harsh corrosive environments, and industrial applications both indoors and out. Unique internal panel management capabilities provides the end user with only the features they need for their application, yet able to use every cubic inch of valuable internal enclosure space. The series offers an additional feature of panel mounting in the cover for use as an operator interface in industrial equipment control stations when required.

- Over 150 configurations available in 10 sizes
- Size range from 6" x 6" to 20" x 16"
- Flat, bonded window, and clear cover options available
- 5 cover securement methods available
- Field interchangeable covers and hardware
- No penetrable hardware
- Unobstructed walls for ease of conduit or component placement
- Panel mounting capability in the cover
- Up to UL/CSA 4X, IEC IP66



### **Classic Series - Classic Series Enclosures, CL**

The Stahlin Classic Series was developed for high end electronics manufacturers who were looking for both toughness and durability along with modern styling, pleasing aesthetics, and smooth rounded edges. Especially well suited for high visibility locations in both industrial and commercial applications. This product is unique due to its hidden hinge design and flush fitting cover, which suits it well for the intended end use applications such as control stations and operator interface units in both MRO and OEM applications.

- Over 135 configurations available in 5 sizes
- Size range from 7" x 7" to 15" x 13"
- Flat and bonded windows available
- Can be hinged both long and short side
- 5 cover securement methods available
- Flush cover
- Up to UL/CSA 4X



### **Duraboxx Series - Junction Enclosure, shallow depth, D, DL**

The Stahlin Duraboxx Series was developed for extreme ruggedness, sleek design, and shallow depths. These enclosures were designed for rugged durable performance in both commercial and industrial indoor and outdoor environments such as mining, oil, gas, wastewater treatment, and petro-chem. Also because of their pleasing aesthetics and flush cover design they are well suited for high-end electronic applications such as wireless communications and operator interfaces.

- 11 sizes available
- Size range from 5" x 5" to 24" x 16"
- Flat cover with captive cover screws
- DIN rail mounting capabilities
- No sidewall obstructions, flush cover
- Up to UL/CSA 4X, 6P, IEC IP66, IP68



## **Wall Mount Sized Enclosures: Stahlin Offers Two Product Lines Of Wall Mounted Enclosures (16" x 10" to 36" x 36")**

### **Wall mount Series – Control Enclosures, N**

The Stahlin Wall mount Series has been designed for use in larger industrial control systems and machine tool control panels. Their industrial look and ruggedness offer the most practical solution to many applications and are well suited for both indoor and outdoor environments. These small to medium size wall mount enclosures are designed for the maximum available space for electrical, hydraulic, or mechanical control circuits.

- Over 325 configurations in 65 sizes
- Size ranges from 16" x 10" to 36" x 36"
- Gasketed or bonded windows in door
- Adaptable for flange mounted disconnect handles
- Water tight
- No sidewall obstructions, flanged door
- Up to UL/CSA 4X



### **Disconnect Series – Control enclosures with disconnect handle, C**

The Stahlin Disconnect Series has been designed for use in larger industrial control systems and machine tool control panels. Their industrial look and ruggedness offer the most practical solution to many applications such as machine control, marine, wastewater, and chemical production. Disconnect handle is made from a corrosion resistant composite for extreme environmental conditions. These small to medium size wall mount enclosures are designed for the maximum available space for electrical, hydraulic, or mechanical control circuits. The design is easily adaptable to many popular disconnect and circuit breaker designs such as Allen Bradley, Siemens, Cutler Hammer, and Square D.

- 6 standard sizes available
- Water tight
- Efficient use of internal enclosure space
- No sidewall obstructions, flanged cover
- Up to UL/CSA 4X



## **Large and Free-standing Enclosures: Stahlin Offers A Line Of Enclosures For Dimensionally Large Applications (48" x 36" to 90" x 72")**

### **Control Tower Series – Large free-standing and wall mount enclosures, N**

The Stahlin Control Tower Series has been designed for use in larger industrial control systems and machine tool control panels. Their industrial look and ruggedness offer the most practical solution to many applications and are well suited for both indoor and outdoor environments. These larger size wall mount or freestanding enclosures are designed for the maximum available space for electrical, hydraulic, or mechanical control circuits.

- Over 360 configurations in 62 sizes
- Size ranges from 48" x 36" to 90" x 72"
- Adaptable for flange mounted disconnect handles
- Water tight and rain tight; indoor and outdoor; corrosion resistant
- No sidewall obstructions, flanged cover
- Padlocking hasp
- Mounting feet or eyebolts where applicable
- Panel mounting studs or inserts
- Up to UL/CSA 4X, IEC IP66

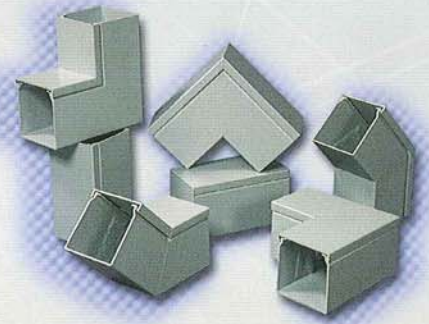


## Misc Offerings: Stahlin Offers A Variety Of Products To Complement Its Enclosure Products.

### Wire way, Trough – Wire management system, W, FT

The Stahlin Wireway and Trough Series have been developed to offer an auxiliary wire management system in conjunction with our standard composite enclosure offering. The product is a pultruded composite material designed to protect wires or cables from harsh indoor and outdoor environments. Such uses are in chemical processing facilities, oil and gas processing, and industrial or commercial control systems. The unique lay in wire design and snap on cover provides easy access for new systems and system upgrades.

- 6" x 6" profile
- Lengths up to 10 feet
- Unique snap on cover
- Lay in wire design as opposed to pull through design



### Mounting Panels – Panels for all enclosure series

Stahlin offers a wide range of mounting panel options for most product lines. Designs include standard back panels, dead front panels, swing panels, cover panels, and various adjustable height dead front panels.

- Available in carbon steel, aluminum, stainless steel, and fiberglass



### Accessories – Various accessories for use in electrical applications

Stahlin offers a wide variety of accessories to complement our various enclosure offerings. From vents to conduit fittings to latching, designs that complement the rugged construction and selection of materials that are designed to maintain the original enclosure ratings.

- Breather Vents
- Drain Vents
- Hole Plugs
- Various Latching Alternatives
- Carrying Handles
- Print Pockets
- Vapor Capsules
- Conduit Fittings, Cord Grips, And Cable Glands
- Composite Pedestals
- Terminal Kits
- Pipe Straps
- Fiberglass Strut



### Custom Products – Custom designed products for specific uses

This capability allows Stahlin end users to utilize our SMC manufacturing, compression molding, and other processes to design and develop products unique to the end user or application. These design styles are typically unique for the intended application and are typically OEM initiated. Such examples are custom cover designs with molded in features such as logo's, bosses, and ribs that define a profile or feature. This can also consist of pultruded shapes, thermoplastic injection molded components, and vacuum formed component parts.

- Turnkey design and tool build service
- Custom molding, compression, injection



# Stahlin Enclosures – “Nothing Short Of The Best!”

## Stahlin BootCamp

A unique, hands-on, two day educational experience designed to give participants an enjoyable but instructional opportunity to learn about:

- The history of enclosure applications.
- Enclosure manufacturing processes and materials.
- Performance characteristics and properties of available enclosures.
- Benefits of non-metallic enclosures.
- Trends, codes and regulations specific to enclosure applications.

**Stahlin Boot Camp is highly interactive and focuses on real-life applications, learning-by-doing, and direct one-on-one time with professional experts in the enclosures industry.**



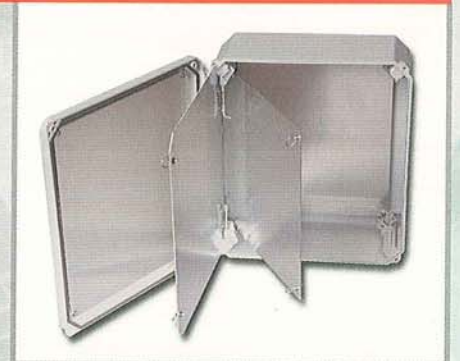
## ModRight™ Enclosure Modification Capabilities

ModRight™ offers customers the opportunity to benefit from Stahlin's inhouse capabilities for achieving accurate, cost-effective enclosure modifications. The program provides diverse choices for factory customizing of enclosures including cutouts, holes, windows, vents, countersinking, latches & locks, and non-standard sizing.

ModRight™ also showcases Stahlin's computer-controlled manufacturing systems, panel management expertise, custom molding options, and specialty areas such as EMI & RFI shielding. Through the ModRight™ program, Stahlin offers more than 20 standard colors and the opportunity to computer match any custom supplied color sample. Graphic interfaces including silk-screening and decals are also available.

Stahlin's automated factory exceeds even the most elaborate field modification capabilities. We have made extensive investments in sophisticated computer-controlled equipment all for the purpose of ensuring consistency and accuracy in modifications. With factory-performed modifications we assume all responsibility for jobs done right and delivered to customers ready to use out-of-the-box.

A key support to Stahlin's ModRight™ program is the value added feature of CostRight which provides website accessibility, including downloadable engineered drawings and quick cost quotations through the company's website at: [www.stahlin.com](http://www.stahlin.com). Other facets of the ModRight™ program include DesignRight for assistance in optimizing designs, SupplyRight for ensuring when-needed deliveries, plus specialized packaging and shipping options including reusable containers, and FormRight for custom material formulation capabilities where unique application needs can be matched with the correct material mix.



## SOLARGUARD

A non-halogenated fiberglass system that beats the effects of outdoor exposure plus provides the chemical and flame resistance you've come to expect from Stahlin Fiberglass Enclosures!

**SolarGuard™, in extensive comparison testing, outperformed other available SMC formulations by as much as 60% in its ability to retain gloss and color after exposure to concentrated UV light.**

SolarGuard's™ patent-pending double protection formula was developed in Stahlin's FormRight lab. Due to its chemical composition and other additives, SolarGuard™ is able to reduce the effects of UV degradation such as surface roughening and fiber blooming.

SolarGuard™ features new, proprietary double protection formulation technology that significantly enhances the molecular bond strength and crosslinking that occurs during the curing process in thermosetting polyester sheet molding compounds (SMC). Stahlin's SolarGuard™ system fights polymer degradation by making it much more difficult for UV light to attack molecular bonds of both primary chains and crosslinks.

A special UV Absorber is added to the SolarGuard™ formulation which acts to absorb UV energy, then to release it without damaging the polymer chain.

As the new standard SMC formulation for all Stahlin fiberglass electrical products, SolarGuard™ provides an unsurpassed level of UV resistance, fire retardancy, chemical resistance and safe, durable performance...all without adding cost to Stahlin's world class electrical enclosures.

