



THE INTEGRA FAMILY

Choosing the correct enclosure for your application is critical. Following is an overview of each of the Integra product lines and their characteristics that can guide your selection.



PREMIUM LINE

This enclosure is designed for any electrical application and boasts a very high-impact resistance of 900 in/lbs.



IMPACT LINE

This 100% polycarbonate enclosure can be custom designed and offers superior corrosion-resistance.



ABOUT INTEGRA

Integra Enclosures—based in Mentor, Ohio—manufactures and markets engineered thermoplastic enclosures designed for use in electrical construction, water treatment, car wash, telecommunication, instrumentation, utility, machine building, HVAC, or any other application requiring enclosures which are non-corrosive, non-conductive, easy to install and modify, and competitively priced. Just as electronics have evolved, so has enclosure technology.

Offering the best designs coupled with superior customer service, Integra is uniquely positioned to serve your enclosure needs.



Is Your Enclosure Technology Keeping Up With Today's Technology?



STANDARD PRODUCTS



MODIFIED PRODUCTS



SPECIAL PRODUCTS

Minimum quantity may apply



CUSTOM PRODUCTS

Minimum quantity may apply





GET THE ITCH FOR INTEGRA. NOT FROM A FIBERGLASS ENCLOSURE.

If you're itching for an enclosure

that won't leave you itching after

you handle or customize it, look

no further than the clean-handling

of polycarbonate. Since Integra

Enclosures are made from clean-

handling polycarbonate, they

won't leave your hands or body

itching from trapped fiber dust.

POLYCARBONATE, THE BETTER TECHNOLOGY.



Technology continues to improve at a very rapid pace. The ability to send and receive information has greatly improved the ability to monitor or control all sorts

of applications creating more applications needing a more advanced electrical enclosure. Well just as electronics has evolved, so has enclosure technology. Polycarbonate represents the next step in the evolution of technology for outdoor, wireless, wastewater treatment, solar, BPL, smart grid, and all the traditional non-metallic applications.

There are huge benefits to using Integra polycarbonate enclosures over the traditional fiberglass enclosure. Please review the below table as we lay out the facts about the advancement of technology in enclosures.



POLYCARBONATE APPLICATIONS

Polycarbonate enclosures are a superior choice for a wide range of outdoor applications and environments:

- **Remote Monitoring** - For remote placement of monitoring or networking devices/components
- **Alternative Energy** - From solar to wind, keep systems safe from the environment
- **Water Treatment** - Water/wastewater treatment and sprinkler systems are well-protected in polycarbonate
- **Utility & Electrical** - Utility applications that are housed outdoor are ideally enclosed in polycarbonate
- **Marine & Marina** - Whether on-ship or at the dock, guard against corrosive salt water and sun

POLYCARBONATE & FIBERGLASS, WHICH IS BETTER?

Feature	Polycarbonate	Fiberglass	
Impact resistance			Which material is tougher? The average fiberglass enclosure tensile strength is approximately 220 in/lb. Polycarbonate has a tensile strength of 900 in/lb. Polycarbonate is over 4 times the impact resistance of fiberglass.
Weight			Whether it is saving on shipping cost or the ability for one person to carry and install a product in an enclosure, weight is increasingly important. Polycarbonate is up to 40% lighter than fiberglass.
UV resistance			Fiberglass UV protection is offered as a shield or other coating that attempts to protect the fibers from the inevitable deterioration or even failure of the exterior coating. With polycarbonate, the UV inhibitor is in the formulation and is uniformly integral to the enclosure.
Ease of modification			Fiberglass is tough on tools and often chips while machining, leaving sharp, unsightly edges. Also fiberglass upon drilling or cutting gives off a very fine dust that is difficult to clean up and is a skin and lung irritant. Integra polycarbonate enclosures are easy to modify, do not give off dust and leave a clean, attractive surface with no sharp edges.
Eco-friendly			Whether during the manufacturing process or at the end of the enclosure's life, fiberglass material cannot be reused and is destined for landfills. Polycarbonate in the manufacturing process or at the end of its usable life is recyclable.
Damage from shipping/handling			Fiberglass is a very brittle material, to the point that it risks damage anytime it is dropped or mishandled in any way. Because of its durability polycarbonate is rarely damaged from shipping or handling.

STOP SETTLING FOR OUTDATED MATERIALS AND UPGRADE TO TODAY'S TECHNOLOGY

Why stop there? Polycarbonate can be used to replace your steel, stainless steel or aluminum enclosures also. Durable, aesthetically pleasing, pad-lockable, and extremely versatile, Integra Enclosures are an upgrade to all but the most demanding metal enclosure applications.



THE MOST WELL THOUGHT OUT ENCLOSURE AVAILABLE

Super versatile, the enclosure panel suspension system in all of the Premium Line enclosures offer unsurpassed options for mounting back panels, face plates, circuit boards or any other component that needs to be secured. This feature, along with a wide selection off-the-shelf accessories, allows extreme customization using standard products. Additional features:

- Rear-mounting bosses
- Swing panel
- Foot or flange mounting
- Clear lids
- Removable enclosure door
- Panel suspension
- DIN rails pre-cut for each enclosure size
- Vents for air flow
- Many other options

FACTORY MODIFICATIONS.

OUR PRODUCT, THE WAY YOU LIKE IT.



At Integra, most of our customers prefer to let us modify their enclosures prior to shipment on our CNC Machines. Drawings of all standard products are available on line and are downloadable off the Integra website.

Our newly-expanded manufacturing facility can handle your needs for:

- Drilling Holes
- CNC machine cut outs
- Silkscreen
- Graphic panels
- Custom enclosures
- Custom colors (minimum quantity)
- Custom back panels



CUSTOM ENCLOSURES.

FROM CONCEPT & DESIGN TO FINISHED PRODUCT.

Integra Enclosures capabilities are not limited to only a catalog of fixed sizes. We have the technology to produce custom sized boxes to fit a client's specifications (may require tooling and/or a minimum quantity). Therefore, if you don't see a size we have, let us make one for you to meet your specific needs.

- CAD drawing design for custom boxes
- Custom colors
- Minimum quantity required
- May require tooling

INTEGRA CERTIFICATIONS



UL Types 2, 3, 3R, 3S, 4, 4X, 5, 6/6P, 12, and Marine Use.

IP 68

Ex Contact Factory for Details