



V.I.P. (VACUUM INFUSION PROCESS)

THE NEXT BIG DEAL

Vacuum Infusion Process (VIP) is the latest innovation from ECS. VIP cases can range from ATA carry on cases for communications equipment to cases that house full size aircraft and anything in between. All VIP cases are integrated with uniquely crafted closure systems specifically designed to provide the ultimate protection supporting all sizes of equipment during storage and transportation. Our VIP containers are custom engineered composites designed with unparalleled attention to detail. The process is a technique used to manufacture high performance, void free composites and is especially suitable for a large variety of simple and complex applications



IDEAL APPLICATIONS:

- UAV
- MILITARY
- OVERSIZED EQUIPMENT
- AEROSPACE

THE ECS DIFFERENCE	ECS TRANSIT CASES
Material	VIP-Fiberglass Reinforced
Tensile Strength	Fully Customizable
Tensile Modulus	Fully Customizable
Flexural Modulus	Fully Customizable
Sizes	Endless
Available Features	Rapid Decompression Discs, Air Valves, Fork Tubes, Gaskets, Casters, Hoist Rings, Desiccant Holders, Specialized Isolation Systems, tie downs, Specified Custom Options.

UNIQUE DESIGN

Like all ECS products, these container systems are uniquely designed to meet specific needs of customers and meet or exceed rigorous military & commercial standards. With the addition of the VIP line, ECS has a new solution to design and build ruggedized packaging able to house and ship items including unmanned vehicles, weaponry, missiles, sensitive communications equipment, engines, propellers and much more. The product features a revolutionary new closure system, which strikes the perfect balance between manufacturability, performance, and cost.

COLORS

ECS VIP Cases are available in military colors, earth, desert tan, black, olive drab, and gray.

AVAILABLE FEATURES

- Strong Laminate: Vacuum removes air, excess resin and volatiles
- Light: High glass to resin ration promotes increased strength without compromising weight or structural integrity
- Thickness Control: Increased laminate compression during cure
- Thickness: Wall thickness from .06 to 1.00+
- Flexibility: More flexible than aluminum
- Reinforced: Reinforcement geometry can be engineered & molded into shells for rigidity
- Custom Pigment: Shells can be pigmented and silkscreened to customer specifications
- Field repairable
- Transportable via forktubes and/or hoist provisions
- Hermetically sealed
- Corrosion, chemical, fuel and UV resistant
- CCONUS/OCONUS compliant as applicable
- MTMCTEA compliant as applicable

ENGINEERED TO MEET THESE NEEDS:

- High and Low Temperature
- Drop Testing
- Transportation Vibration
- Loose Cargo Bounce
- Water Submersion/Wind Blown Rain
- Fungus Growth
- High And Low Pressure
- Salt Fog

