YOUR GUIDE TO RETURNABLE PACKAGING

AMATECH
custom designed packaging professionals

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Who We Are & What We Do

What is Returnable Packaging?

Returnable or reusable packaging is used by manufacturers/processors and their suppliers/customers to move product efficiently and safely throughout the supply chain.

History of Amatech: Est. 1989

Amatech’s beginnings started out as an idea to create a reusable packaging container that could duplicate a cardboard box, made of plastic corrugated so it could be used over and over again. The reusable packaging design would knock down flat like a standard cardboard box for the return shipment so it would not take up valuable space in a truck or warehouse until it was ready to be used again.

From 1989 until now, Amatech has continued to grow and move into larger returnable packaging manufacturing facilities. We currently have two returnable packaging manufacturing locations, one in Erie, Pennsylvania and the other in Columbus, Ohio, comprising over 80,000 sq. ft. We are dedicated to servicing our customers and the manufacturing of all types of quality reusable packaging.

Our Vision & Our Mission

Our Vision

Amatech, Inc. will continue to build long term financial stability through growth in diversified markets, innovative products, and operational excellence with continuing commitment to our customers and employees.

Our Mission

The central focus of our business is our customer. We are consistent by honing our process to revolve around their needs, expectations and vision. Innovation, customization, and adaptability is the formula we use to provide satisfaction to each customer year over year.

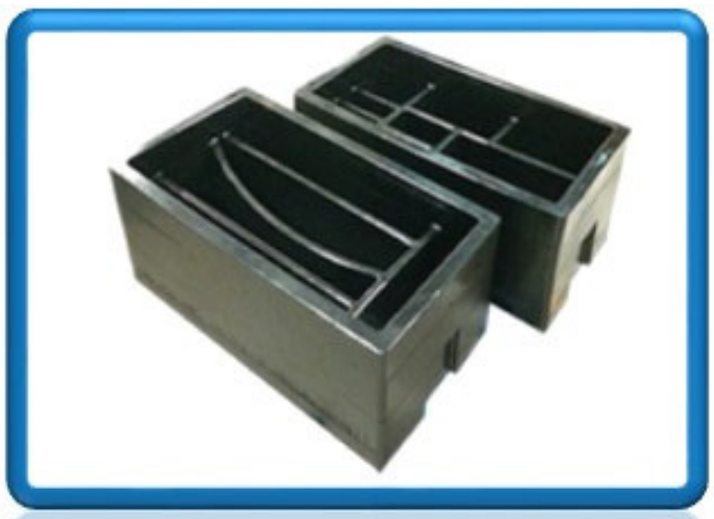
Why Does Returnable Packaging Work So Well?

What makes it work so well?

The closed loop system (close logistics loop) is in place. A closed loop system is the regular circuit between a shipment location and a delivery location. Once identified, returnable packaging enables a considerable reduction in expenditure and an improvement in short or medium-term profitability.

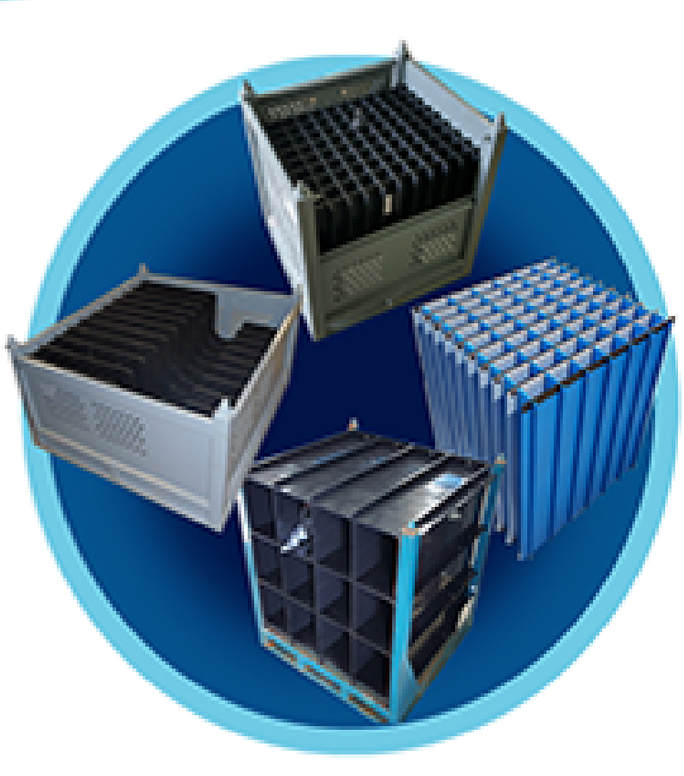
Optimization of closed loop

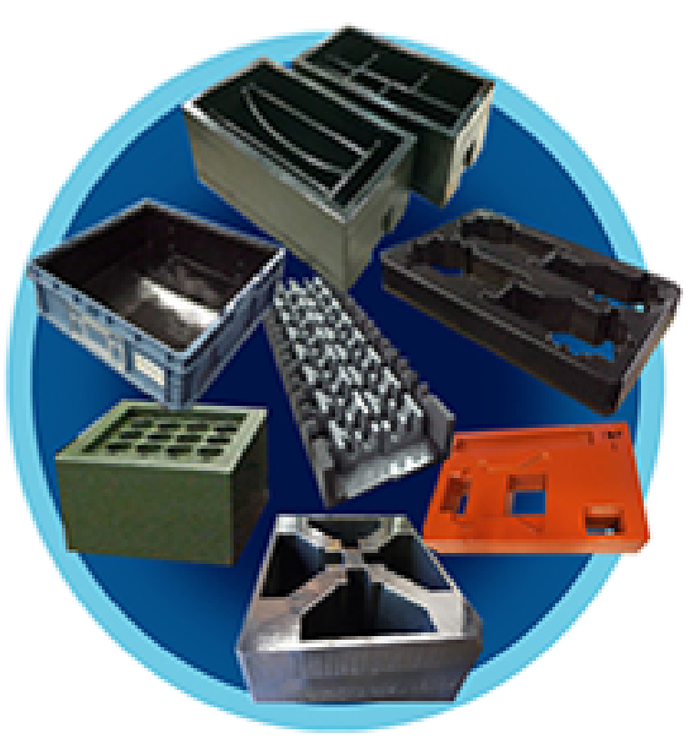
- Customers experience between 40% and 70% savings on the overall cost when using returnable packaging.
- Profitability achievable from the 1st year
- Savings on transport costs are achievable thanks to the light weight of the plastic material
- Once folded down, our returnable packaging product has an 85% reduction in volume, translating into space and cost savings for storage and return transport.



Our Products

Amatech provides packaging ranging from dividers and foam dunnage for hand held totes to steel rack partitions and hanging bag pouches. We can design returnable packaging to be durable and protect their product in most any environment with either actual parts or a virtual model file. All of our plastic corrugated and foam packaging will exceed your expectations.





Dividers & Partitions

Dividers & Partitions For:

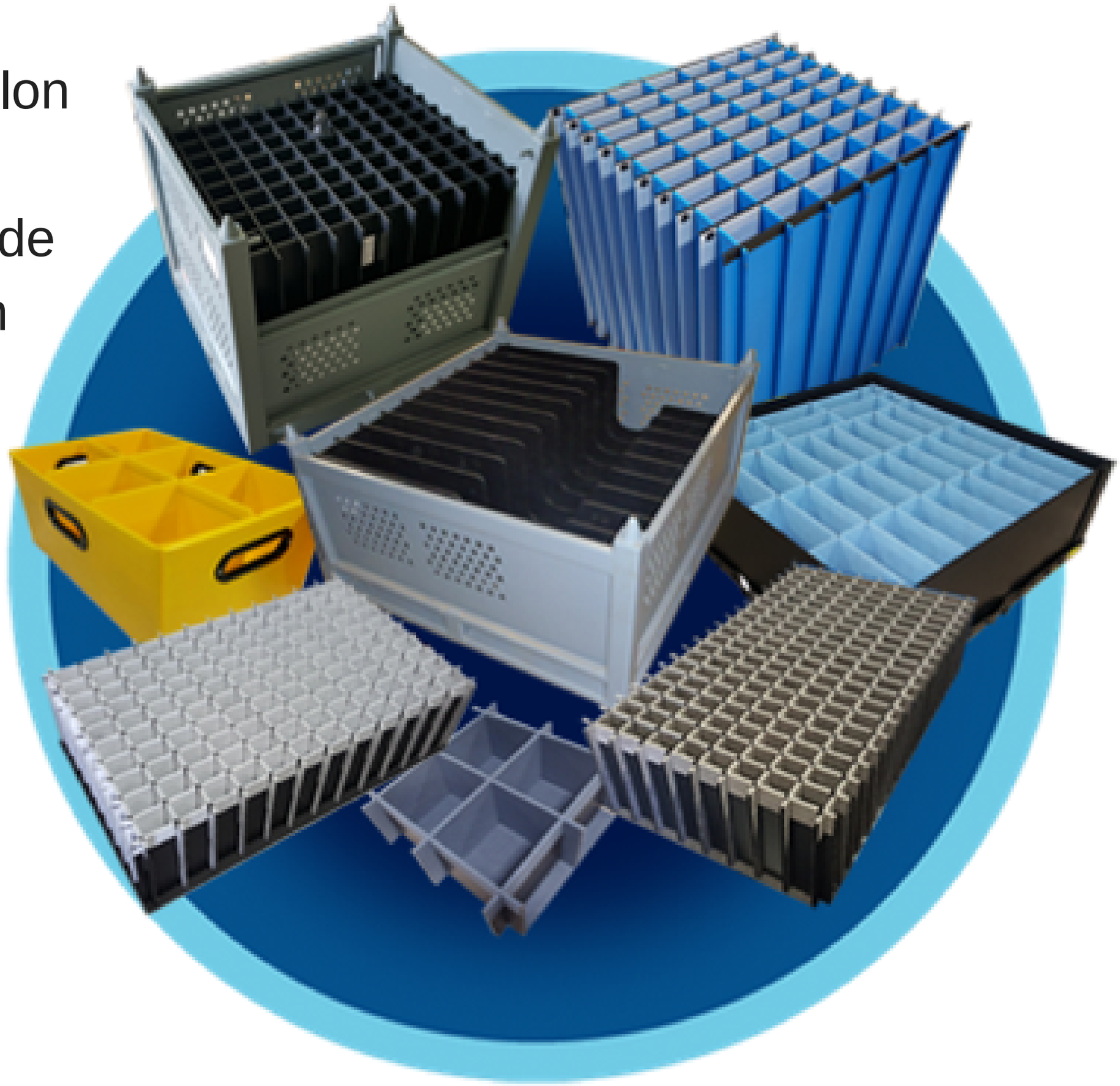
- Totes
- Boxes
- Containers (to include Sleeve Packs)
- Steel Racks

Materials Used:

- Plastic Corrugated
- Solid Sheet HDPE

Add Laminate for Class A Protection:

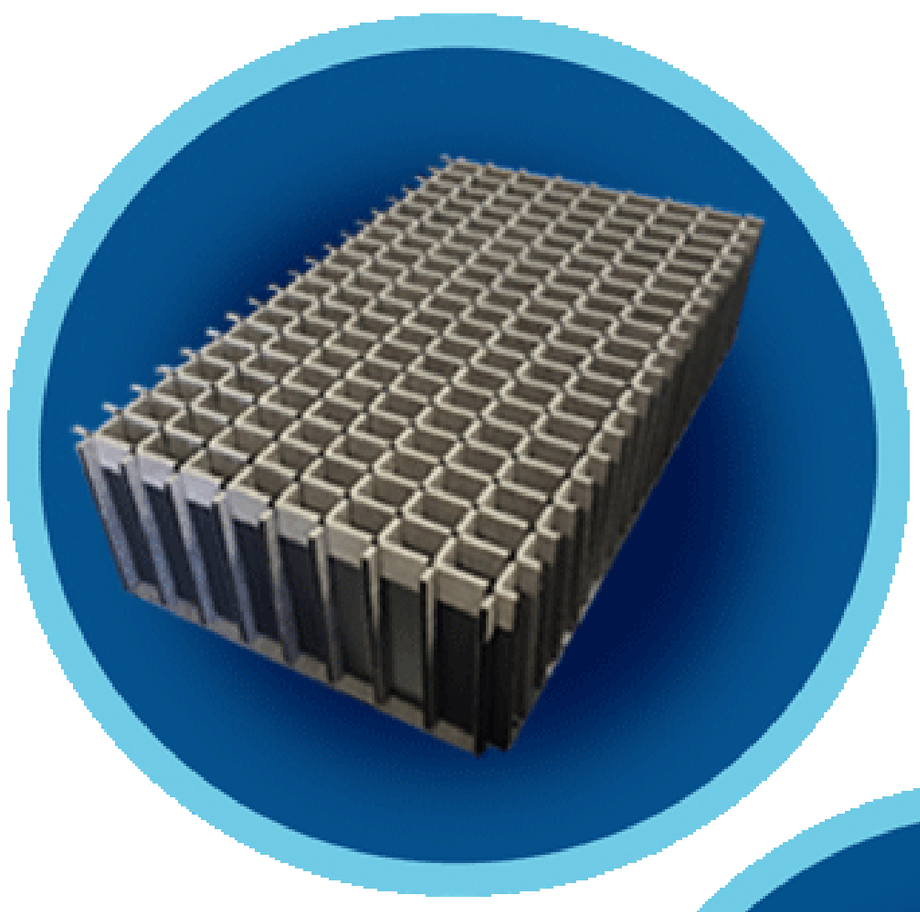
- Evolon
- Tyvek
- Brushed Nylon
- Spuntex
- Brown Suede
- XLPE Foam

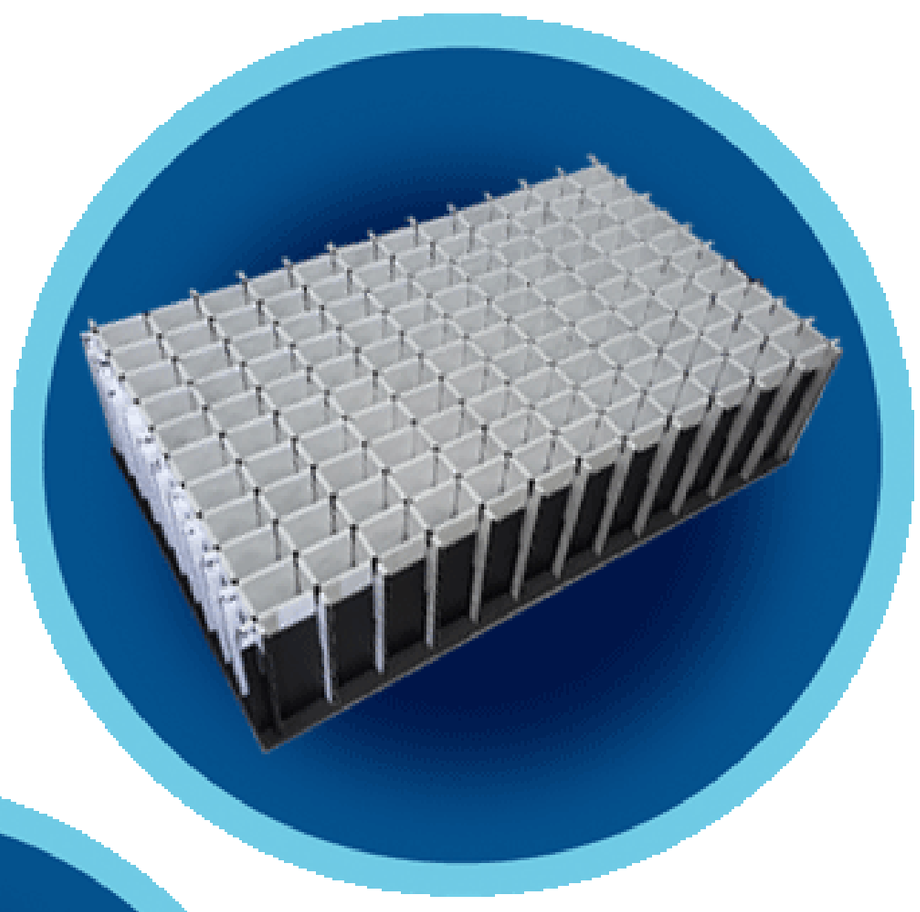


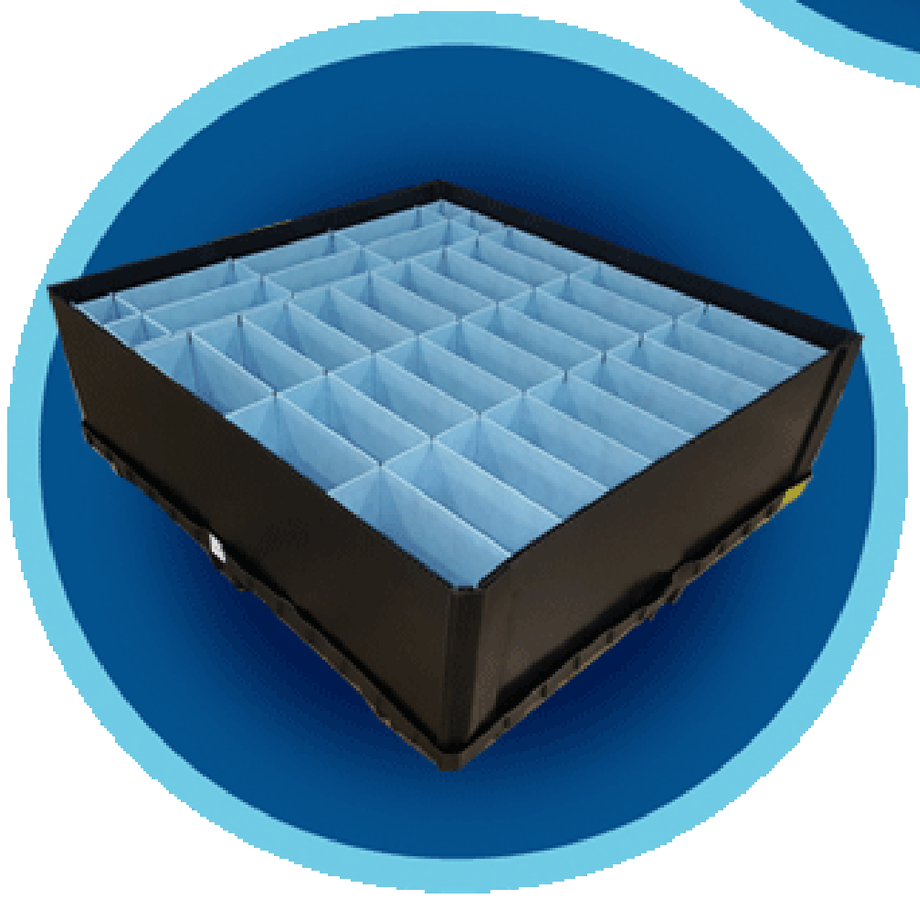
Rolled Edge Laminate

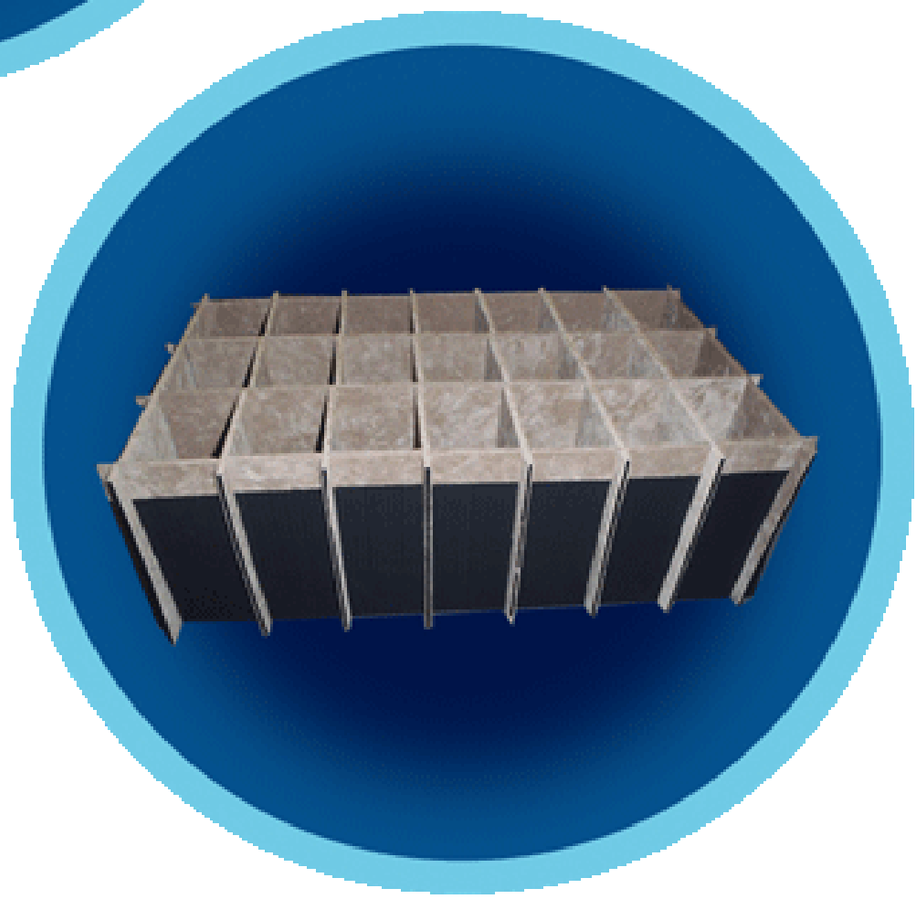
Rolled Edge Technology:

- Evolon
- Tyvek
- Brushed Nylon
- Spuntex
- Brown Suede
- XLPE Foam









Waterjet Cut Foam

Waterjet Cut Foam: 5 Axis Waterjet

Precise cutting to meet specifications

Compound angle cutting

Shorter lead times

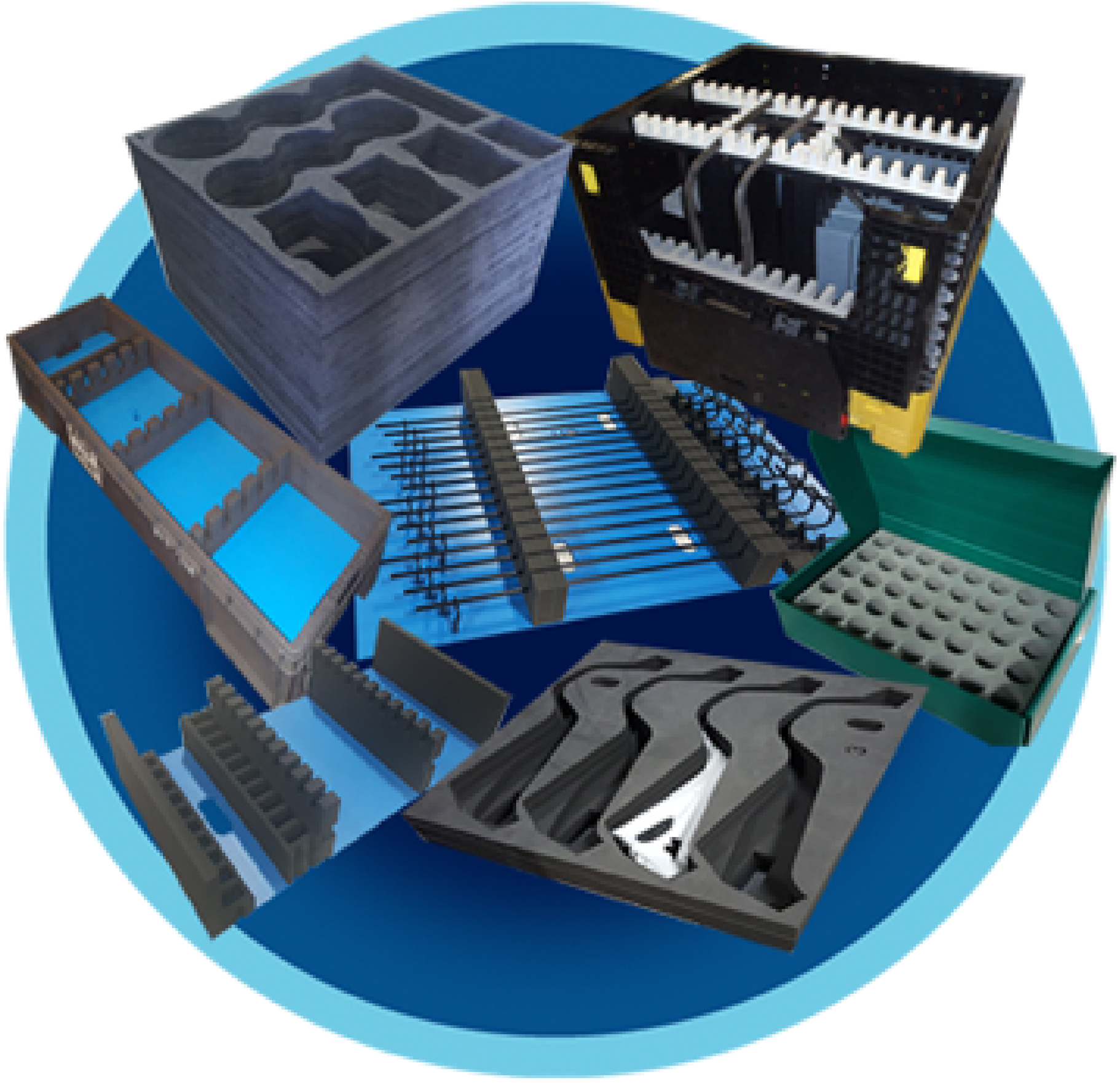
Maximize yields

3 dimensional cutting abilities

Provides additional shipping & storage protection

Meticulous detail in design and implementation

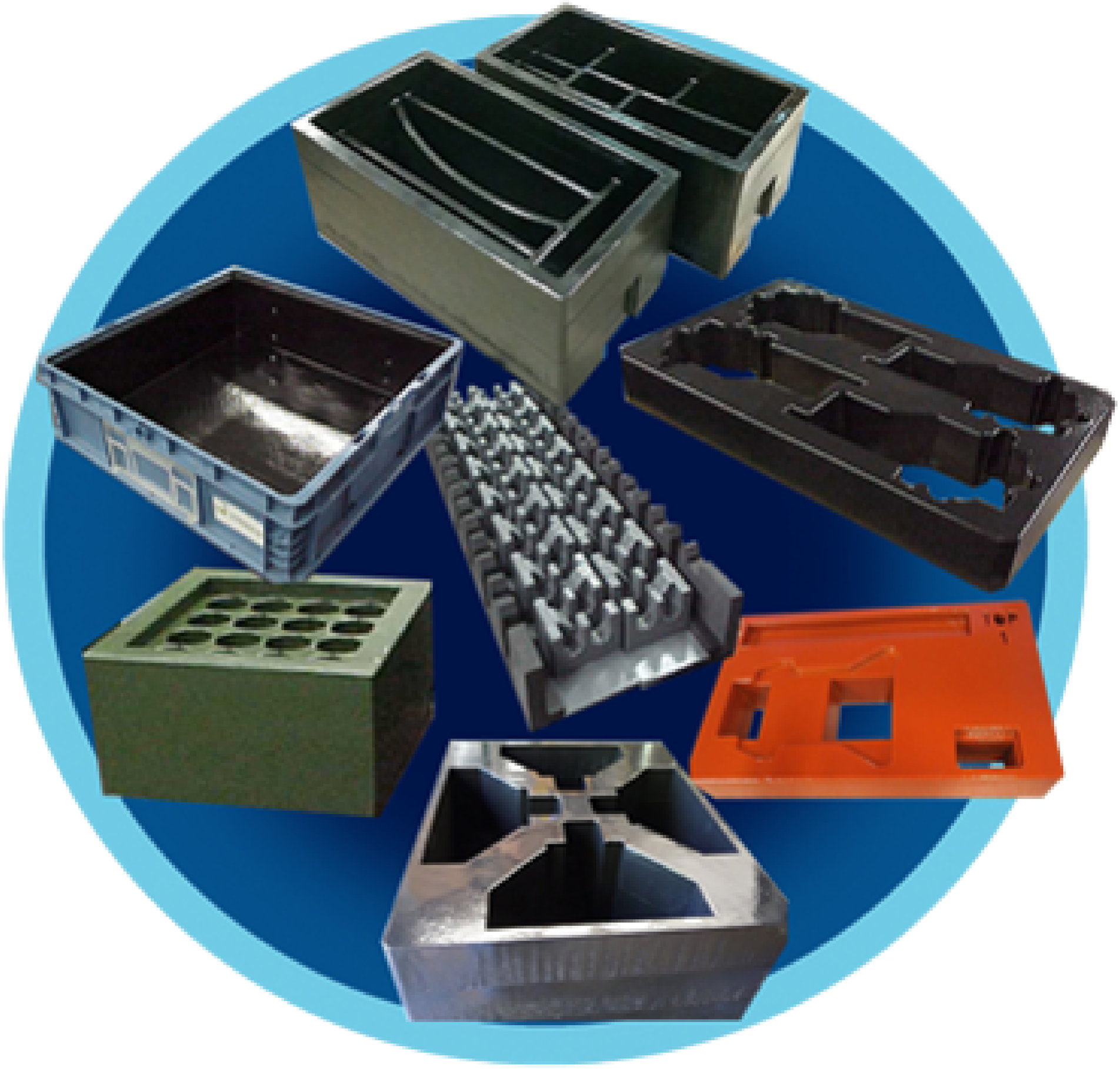
Highly effective in protecting parts in transit and storage for industries such as automotive



Polyurea Coating

Polyurea Coating:

- Creates membranes on foam or plastic corr. dunnage
- Waterproof
- Abrasion resistant
- Does not crack
- Does not lose its physical properties
- Adds durability to cross link foams
- Slows down the color fading process for UV stable colors with an added UV package
- Coating sets quickly to streamline dunnage fabrication



Solid Sheet HDPE

What is HDPE?

High density polyethylene (HDPE) is a strong, durable, lightweight, and chemically resistant plastic material popular for a variety of applications:

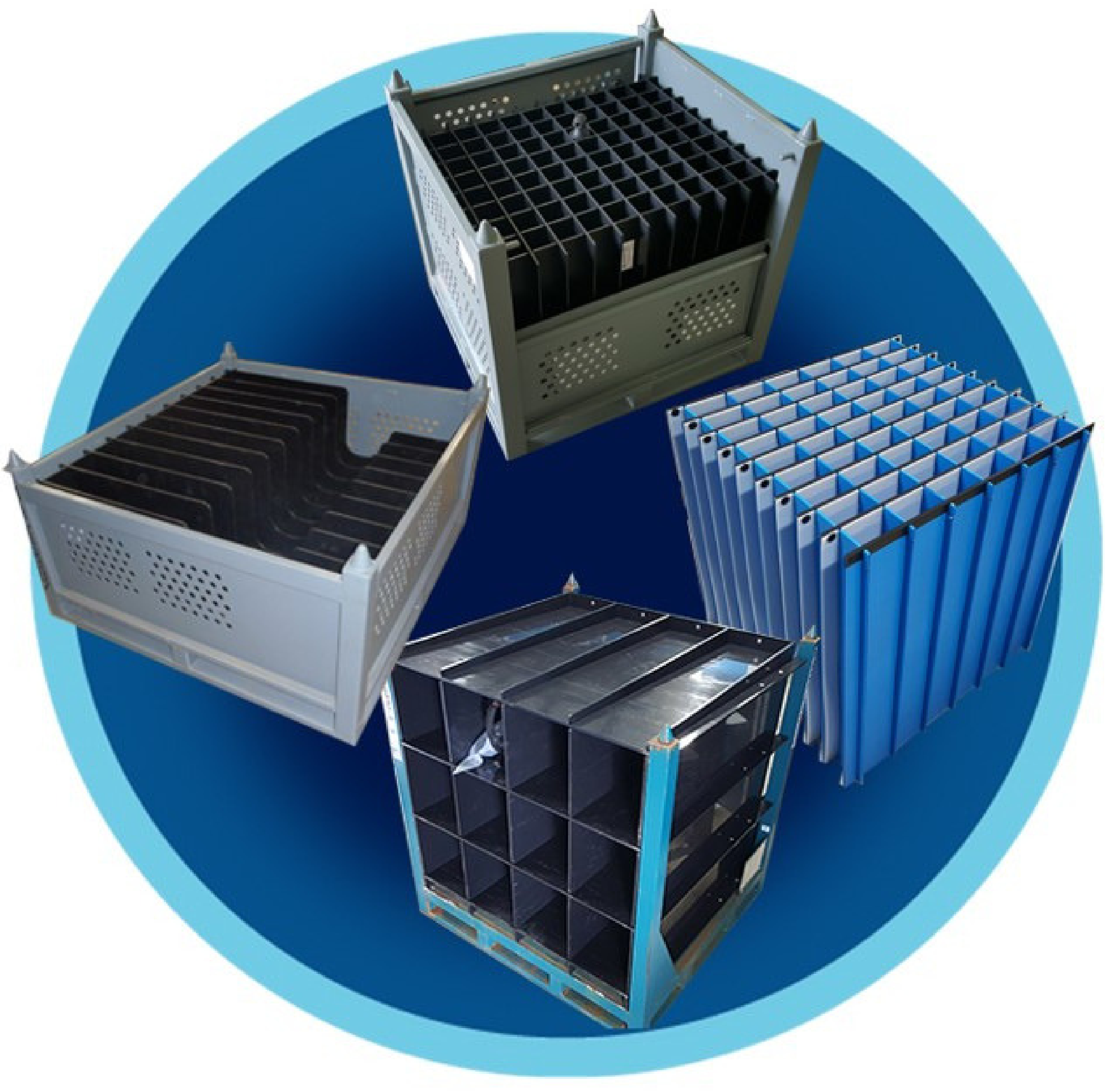
Cast Iron Parts

Heavy metal parts

Products with sharp edges

Custom made into any cell configuration or design requested

Can withstand the elements better than plastic corrugated



Boxes & Totes

- Our corrugated plastic boxes and totes are custom designed to meet your specific needs
- Nestable trays feature tapered sides and can be wire reinforced for extra rigidity
- Stackable totes can be produced with a variety of stacking materials such as PVC stacking rings or aluminum U-channel and stacking corners
- Common reusable packaging containers sometimes known as RSC, HSC, DSC, RETF, etc. are designed and built to replace paper corrugated (cardboard) containers with the same design.

Sleeve Packs

Sleeve packs have broad applications:

Sleeves are custom sized and can be used with vacuum formed pallets
We provide layer pads and/or dunnage to fit any sleeve pack we produce.

Examples of Sleeve Packs:

- 2 pc. C Sleeve in pallet
- Sleeves with custom pallets
- Sleeve with top and bottom trays
- C Sleeve w/ weld flaps
- Sleeve with channel
- Sleeve with drop door
- Sleeve w/ pallet set

Steel Racks & Containers

Steel Racks:

- Integrating dunnage (dividers, foam, pads, curtains, laminates)
- We design steel racks for an array of industries including automotive, cabinetry and textiles.

Containers:

We stock and distribute HDPE (high density polyethylene) plastic molded bulk containers and lids in many styles and sizes.
We can also design and produce dunnage (dividers, foam, pads) to fit any size container.

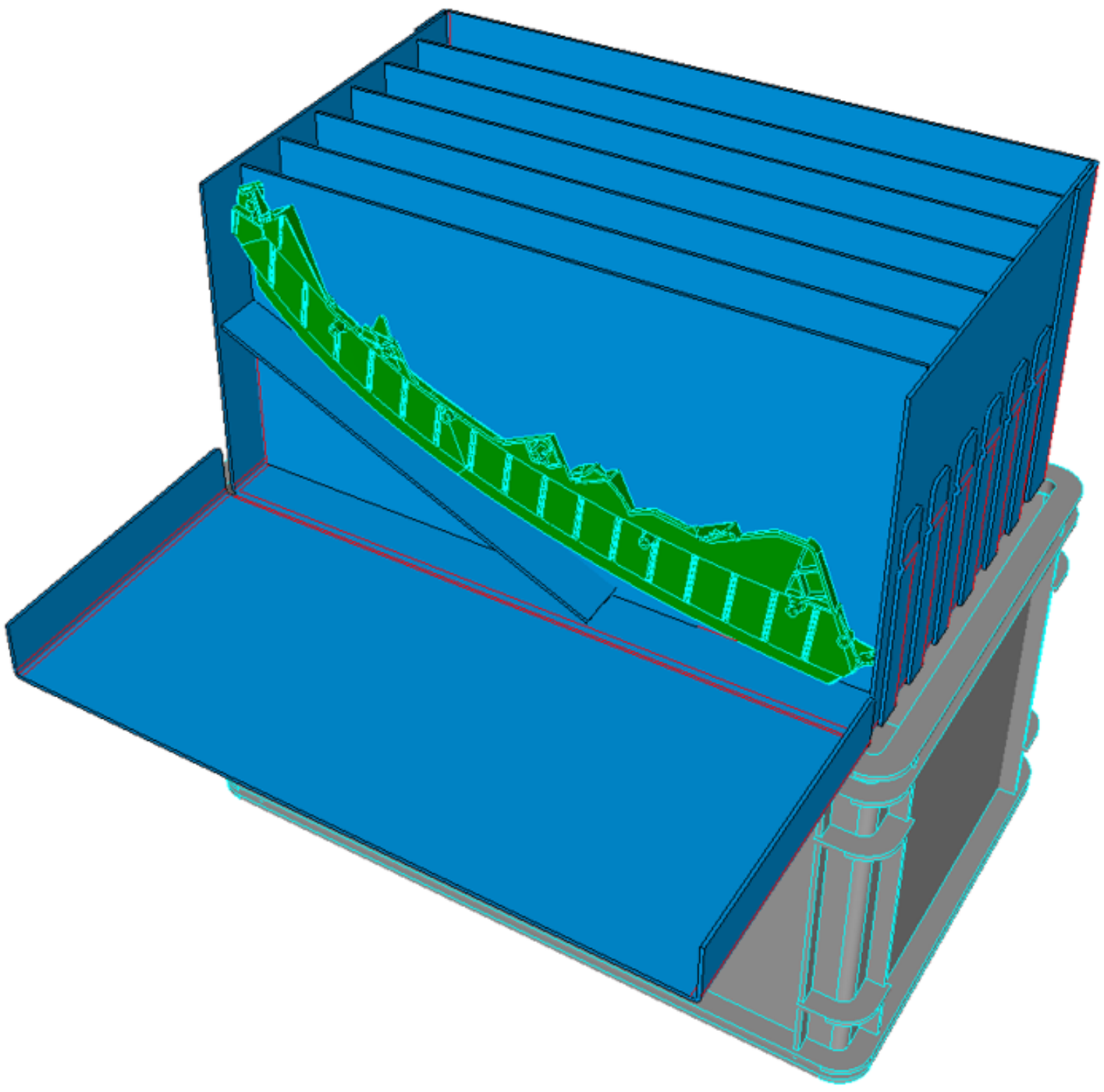
Engineering & Prototyping

Engineering & Prototyping Credentials:

Full time design engineers with over 70+ years combined experience
Latest in CAD/CAM design technology
Complete electronic file transfer capability
Electronic design library with industry design standards
Complete prototyping and proposal drawing capability
3D modeling

Dedicated prototyping equipment & staff:

- Kongsberg sample tables capable of 87” x 126” plastic & foam sheets
- This facilitates rapid prototyping turn-around on most prototype requests
- Prototypes are essential – the customer has a sample of their project in their hands



3D Printing Solutions

How Can 3D Printing Help Your Customer?

- Modernize and transform conventional processes
- Solutions for manufacturing, design, engineering, inspection quality and beyond
- Allows engineers, designers, managers, and operators check designs for usability, appearance, fit and function prior to committing to traditional processes
- Provides efficiency, accuracy and trust in design

Offerings:

- We have 3D capabilities for prototyping, R&D, and small lot production.

Why Do We Offer 3D Printing for Prototypes?

Most of the time packaging can't get a part in the design phase of the packaging process – a 3D printed sample solves this issue

To provide a sample 3D printed part for the packaging prototype

So we can ship the 3D printed part with the sample

To ensure the product perfectly fits in the custom designed returnable packaging

To more easily adapt to any changes during a part life-cycle

*Visit our website to request a sample!

Why is Returnable Packaging a Valuable Opportunity for You?

- Provides a new revenue stream
- Provides solutions for your clients that you do not have in your wheelhouse currently
- Higher profit margins
- Enhances your ability to provide all packaging options to your customers
- Provides one more reason to reach out to your customer base
- You would be selling a sustainable product