



ROBINSON Industries
PALLET CATALOG



For more than 70 years, Robinson Industries has been the leader and innovator in reusable plastic pallets. That experience means we offer one of the largest selections of standard plastic pallets you'll find anywhere. It also means that we have the in-house expertise, design/ engineering skill and manufacturing capacity to develop a custom solution that perfectly meets your needs.

HISTORY

Having recently left a position at The Dow Chemical Company where he worked on the development of Styrofoam*, Fred Robinson opened Robinson Industries in 1947 with his wife, Ardis. Much of the technology and machinery that's still used in the industry today — such as the rotary thermoforming machine — was developed with Fred's guidance.

Robinson Industries began thermoforming refrigerator door slabs in the 1950s. Soon after, they started producing canoes, coolers and ice buckets. In the 1960s, at the request of automotive manufacturers, Robinson began manufacturing thermoformed and injection-molded reusable plastic pallets. Since then, they have expanded their product lines to include reusable plastic containers. For over 70 years, Robinson has been a family-owned, women-owned business.

*Trademark of The Dow Chemical Company



WHY PLASTIC?

In nearly every measure, polyethylene and polypropylene outperform wood pallets and crates. Plastic pallets:

- Don't harbor pests or bacteria, making them ideal for shipping agricultural, pharmaceutical and healthcare products and crossing international boundaries
- Don't decay in wet climates and offer protection from moisture
- Are lighter in weight, making them easier to handle for worker safety and more cost-effective to transport
- Are better for on-site housekeeping, with no expendable items for disposal
- Have a longer life cycle, making them more cost-effective
- Can be customized with logos or other identifying information for effective branding
- Are better suited to use with retractable "seat belt" straps — eliminating the metal or plastic strapping responsible for many injuries
- Are reusable



ISO 9001:2015

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Single Sheet Thermoformed

- Durable, reusable, lightweight and cost-effective
- Available in high density polyethylene (HDPE)
- From 24" x 36.75" up to 91" x 73"
- Optional "seat belt" banding systems
- Optional labeling including RFID
- Standard in black but available in a variety of colors



Twin Sheet Thermoformed

- Durable, reusable, lightweight and cost-effective
- Available in high density polyethylene (HDPE)
- From 25" x 31.5" up to 54" x 48.25" offer high strength and durability
- Optional "seat belt" banding systems
- Optional labeling including RFID
- Standard in black but available in a variety of colors



Structural Foam

- Supports heavy loads, longer life cycle, reduced logistics and packaging costs
- Polypropylene (PP) is standard for Ford and GM. Also available in high density polyethylene (HDPE) for non standard.
- Range in size from 31" x 33" up to 48" x 60"
- Excellent for robotic applications
- Unique lids for pallet packs
- Optional "seat belt" banding systems
- Optional labeling including RFID
- Available in a variety of colors
- Available with or without a lip (no lip shown in image below)



Structural Foam

- New design offers strength comparable to traditional pallet, but with about 25% less weight
- Reduces gross shipping weight
- Supports light to medium loads, longer life cycle, reduced logistics and packaging costs
- Size: Nominal 45" x 48" ID
- Weight: 42 pounds
- Excellent for robotic applications
- Unique lids for pallet packs
- Optional "seat belt" banding systems
- Optional labeling including RFID
- Standard in black HDPE but available in a variety of colors by special order





FORD APPROVED
STANDARD



SP20

TYPE	Structural Foam Polypropylene
SIZE	Nominal 1000mm x 1200mm ID /40" x 48" OD
COLOR	Brown (Standard)
LID	SL21 Brown Vacuum Formed (Standard) SL20 Brown Structural Foam Available for Heavy-Duty Packs
SEATBELTS	4
LABELS WITH FORD LOGO	4

Other colors and options available with written Ford engineer approval.





SP7

TYPE	Structural Foam Polypropylene
SIZE	Nominal 45" x 48" OD
COLOR	Black
LID	SL9, SL10, SL12 and SL14 Black Vacuum Formed SL7 Structural Foam for Heavy-Duty Packs
SEATBELTS	4
LABELS WITH FORD LOGO	4

Other colors and options available with written Ford engineer approval.





SP34

TYPE	Structural Foam HDPE
SIZE	Nominal 45" x 48" ID
COLOR	Gray (Standard)
LID	SL10, SL12 and SL14 Black Vacuum Formed
SEATBELTS	4
LABELS WITH FORD LOGO	4

Other colors and options available with written Ford engineer approval.





SP14

TYPE	Structural Foam Polypropylene
SIZE	Nominal 45.5" x 48.5" ID
COLOR	Black
LID	SL10, SL12 and SL14 Black Vacuum Formed
SEATBELTS	4
LABELS WITH FORD LOGO	4

Other colors and options available with written Ford engineer approval.





SP40

TYPE	Structural Foam Polypropylene
SIZE	Nominal 48" x 54" OD
COLOR	Black
LID	SL40 Black Vacuum Formed
SEATBELTS	4
LABELS WITH FORD LOGO	4

Other colors and options available with written Ford engineer approval.





SP27

TYPE	Structural Foam Polypropylene
SIZE	Nominal 48" x 56" OD
COLOR	Black
LID	SL27 Black Vacuum Formed
SEATBELTS	4
LABELS WITH FORD LOGO	4

Other colors and options available with written Ford engineer approval.





SP49

TYPE	Structural Foam Polypropylene
SIZE	Nominal 48" x 57" OD
COLOR	Black
LID	SL49 Black Vacuum Formed and SL49 Black Structural Foam with Robotic Pick-Up Holes for Heavy Duty Packs
SEATBELTS	4
LABELS WITH FORD LOGO	4

Other colors and options available with written Ford engineer approval.





SP50

TYPE	Structural Foam Polypropylene
SIZE	Nominal 48" x 60" OD
COLOR	Black
LID	SL50 Black Vacuum Formed
SEATBELTS	4
LABELS WITH FORD LOGO	4

Other colors and options available with written Ford engineer approval.





GM APPROVED
STANDARD



MAC01747

TYPE	Vacuum Formed HDPE
SIZE	Nominal 30" x 32" Super ID
COLOR	Black with One 2-inch Green and One 4-inch Blue Stripe
LID	MAC01794 Black Vacuum Formed
BELTS	2
LABELS	2





MAC02960

TYPE	Vacuum Formed HDPE
SIZE	Nominal 30" x 36" ID
COLOR	Black
LID	MAC02961 Black Vacuum Formed
BELTS	2
LABELS	2





MAC18436

TYPE	Structural Foam Polypropylene
SIZE	Nominal 31" x 33" ID
COLOR	Black
LID	MAC10296 Black Vacuum Formed
BELTS	2





MAC01498

TYPE	Vacuum Formed HDPE
SIZE	Nominal 32" x 36" Super ID
COLOR	Black with One 2-inch Red and One 4-inch Blue Stripe
LID	MAC01757 Black Vacuum Formed
BELTS	2
LABELS	2





MAC04320

TYPE	Vacuum Formed HDPE
SIZE	Nominal 32" x 36" ID
COLOR	Black with One 2-inch Yellow Stripe
LID	Use Pallet as Lid
BELTS	2
LABELS	2





MAC13575

TYPE	Vacuum Formed HDPE
SIZE	Nominal 32" x 36" ID
COLOR	Black with One 2-inch Yellow and One 4-inch Green Stripe
LID	MAC13577 Black Vacuum Formed
BELTS	2
LABELS	2





MAC04135

TYPE	Structural Foam Polypropylene
SIZE	Nominal 1000 x 1200 mm ID/40" x 48" OD
COLOR	Brown
LID	MAC38967 Brown Vacuum Formed
BELTS	2





MAC00798

TYPE	Structural Foam Polypropylene
SIZE	Nominal 45" x 48" ID
COLOR	Black
LID	MAC03354 Black Vacuum Formed MAC01616 Black Vacuum Formed
BELTS	2





MAC29248

TYPE	Vacuum Formed HDPE
SIZE	Nominal 45" x 48" Super ID
COLOR	Black with One 4-inch Lime Green Stripe
LID	MAC29249 Black Vacuum Formed
BELTS	2
LABELS	2





MAC03349

TYPE	Structural Foam Polypropylene
SIZE	Nominal 48" x 54" OD
COLOR	Black
LID	MAC12922 Black Vacuum Formed
BELTS	2





MAC07937

TYPE	Structural Foam Polypropylene
SIZE	Nominal 48" x 57" OD
COLOR	Black
LID	MAC07938 Black Vacuum Formed
BELTS	2





MAC18445

TYPE	Structural Foam Polypropylene
SIZE	Nominal 48" x 60" OD
COLOR	Black
LID	MAC18446 Black Vacuum Formed
BELTS	2



Customization

If your challenge requires a custom designed thermoformed or injection-molded solution, we can handle it. From design to delivery, we manage the entire process for maximum efficiency and economy.

Our specialty is tough, long-lasting and reusable plastic packaging, and we can create it in every shape and configuration imaginable. With every step of the process done in-house at Robinson Industries, you get an experienced team that communicates effectively — so your design and prototyping groups get going efficiently, quickly and accurately.



- Size
- Shape
- Weight
- Stacking
- Nesting
- Color
- “Seat belt” banding systems
- Labeling including RFID
- Lids
- Striping

Custom Returnable Packaging

Because they increase the efficiency of manufacturing and processing and help protect parts from damage, the right dunnage containers can make a major contribution to your bottom line. We have over five decades of experience in developing packaging solutions for a wide variety of industries.



All custom plastic packaging is engineered to meet the rigorous demands of your business, and includes the features you need:

- Material
- Size
- Color
- Shape
- Weight
- Lids
- Straps
- Stacking
- Nesting



Returnable Packaging – Head Trays

- Used for transporting engine heads
- Made from high density polyethylene (HDPE)
- Can be customized with any color

	Divider Layer	Post Style	Fully Enclosed
NESTABLE	•		
WEIGHT TRANSFERRED THROUGH PART	•		
URETHANES		•	•
FULLY ENCLOSED SIDES			•
FULL/EMPTY PACK IDENTIFIABLE	•	•	



Returnable Packaging – AIAG Wheel Trays

- Wheel trays hold automotive wheel parts for secure shipping
- Depending on size, they can hold different numbers of wheels per layer
- Each size has the same configuration from the ground up:
 - PC 10000 Pallet (54" x 45" | 32 pounds)
 - Starter tray (14.75 pounds each)
 - Multiple trays loaded with parts
 - Lid (19.95 pounds)



TRAY SIZE	WHEELS PER LAYER	LAYER PER PACK
13, 14, 15, 16 INCHES	6	5
17, 18	5	5
19, 20, 21	5	5

Returnable Packaging – Pigeonhole Packs

- Used primarily for automotive components and to solve handling issues – both manual and forklift
- No tray handling required – parts pulled directly from containers
- Saves space on production line by eliminating the need for a container to capture empty dunnage
- Excellent choice for handling intake manifolds and other parts such as oil pans
- Roll-Up design works like a horizontal window shade – slide curtain off and remove parts
- 45" x 48" made from high density polyethylene (curtain is vinyl)
- Custom sizes available up to 5' x 12'



Returnable Packaging – Urethanes

- Strategically placed within plastic dunnage trays to prevent part movement during the shipping process
- Prevents wear marks and small shavings during the shipping process that can damage parts
- Offered in standard shapes or can be customized



Notes

Notes



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