Monoflo is North America's leading supplier of intralogisitics trays for automated storage solutions.

DURABLE SIDE WALLS

OPTIONAL LIFTER PLATE, IF APPLICABLE

FM GLOBAL COMPLIANT WATER VENT HOLES

VARIOUS LABELING OPTIONS

DOUBLE WALL CORNERS
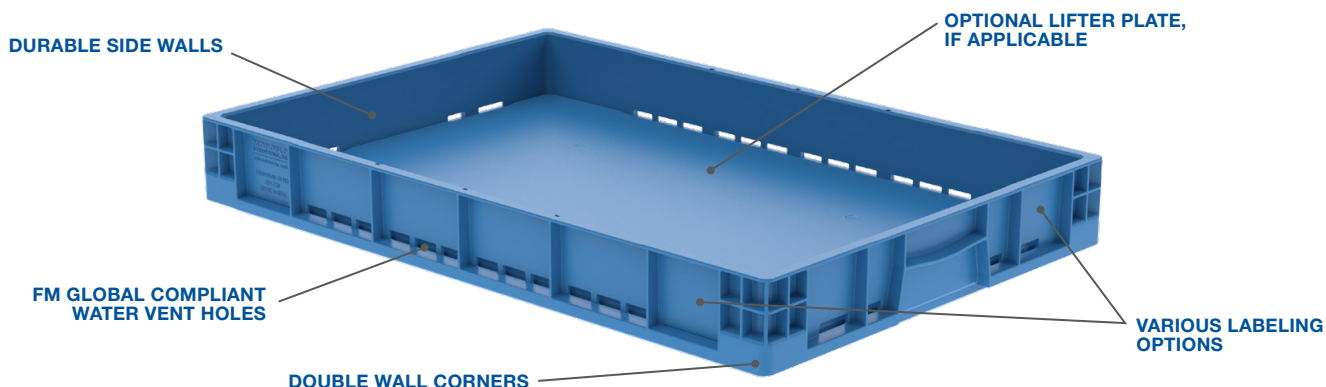
Decades of Expertise

With decades of experience partnering with system integrators, we will provide the right solution for every automated storage system.

Monoflo reusable trays and containers are specifically designed, developed and approved for the diverse requirements of automated storage and retrieval systems. We have experience working with many system integrators and a variety of AS/RS platforms. Monoflo's customers move products in all industries, including:

- · Food
- · Retail
- · Electronics
- · e-Commerce
- · Downstream Distribution

We offer a broad range of standard containers and trays but can also develop a customized solution. Our customers benefit from our knowledge and expertise.

Engineered to Perform

Monoflo trays are engineered to run smoothly in your intralogistics project. No matter the environment, our containers are made to perform—frequent washing requirements, cold chain systems, extreme ambient temperature changes.

Based on your specific application, we offer our trays in various materials such as Polypropylene (PP), High-Density Polyethylene (HDPE), and Polypropylene-Electrostatic Discharge (PP-ESD).

Options to Fit Solutions

Every Monoflo tray is engineered to be durable. We've designed additional structural integrity into all our trays to ensure your logistical processes run smoothly for the long haul.

Additionally, Monoflo offers tray options for the style of system you choose, including Pin Up or Lift & Sweep systems, which may require optional lifter plates. Whatever you have planned, our solutions will meet the exact needs of your decanting application.

Tracking & Verification

Knowing what is where is critical to a smooth running system. Monoflo offers a broad range of tagging and labeling options enabling successful identification and tracking of products throughout your operation.

As a feature of our manufacturing process, we can apply adhesive bar codes labels directly to your trays. We also offer more permanent solutions like in-mold labeling and RFID (radio frequency identification) tagging. Based on your requirements, you can decide how to identify, track and verify the trays—and corresponding products—within your automated system.

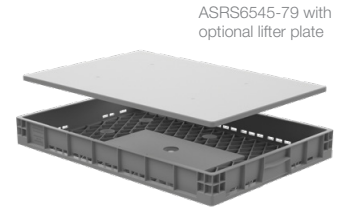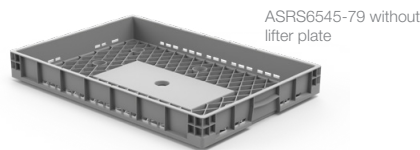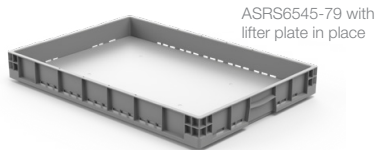Keep your goods flowing 24/7 with Monoflo trays.

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MONOFLO INTERNATIONAL

defining what comes next.

Designed for Lift & Sweep Motion Systems

ASRS 6040 Series
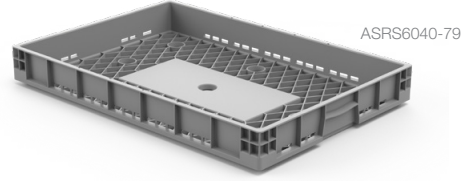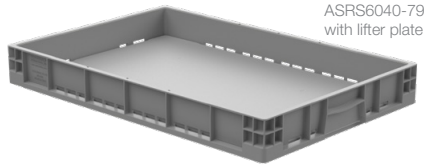
ASRS6040-79 with lifter plate

ASRS6040-79

Model	Outside Dimensions (mm)			Inside Dimensions (mm)			Weight (g)	Pallet Size (In)	Pallet Qty	Trailer Qty
	Length	Width	Height	Length	Width	Height				
ASRS6040-79	600.0	400.0	79.5	572.0	372.0	66.5	1,200	48x40	185	5,550
ASRS6040-120 9-PIN	600.0	400.0	120.0	565.0	365.0	108.0	1,641	48x40	115	3,450
ASRS6040-150 9-PIN	600.0	400.0	150.0	565.0	365.0	138.0	1,791	48x40	90	2,340
ASRS6040-180 9-PIN	600.0	400.0	180.0	565.0	365.0	168.0	1,970	48x40	75	1,950
ASRS6040 Lifter Plate	570.0	370.0	12.0	N/A	N/A	N/A	825	*	*	*

*Lifter plates are packed and shipped inside the corresponding tray

ASRS 6545 Series

ASRS6545-79 with lifter plate in place

ASRS6545-79 without lifter plate

ASRS6545-79 with optional lifter plate

Model	Outside Dimensions (mm)			Inside Dimensions (mm)			Weight (g)	Pallet Size (In)	Pallet Qty	Trailer Qty
	Length	Width	Height	Length	Width	Height				
ASRS6545-79	650.0	450.0	79.5	622.0	422.0	66.5	1,450	53X43	185	4,810
ASRS6545-79 Lifter Plate	620.0	420.0	12.0	N/A	N/A	N/A	950	*	*	*

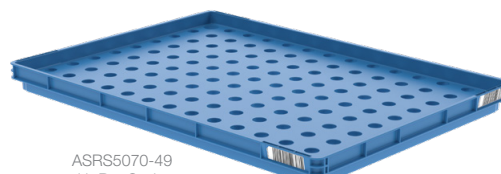*Lifter plates are packed and shipped inside the corresponding tray

MONOFLO SOLUTIONS

Lifting versus Lift & Sweep

Monoflo designs and manufactures trays that meet each application. Monoflo understands how loads are transferred from a tray and has developed the lifter plate as an alternative method to remove products from trays. Instead of using a Pin Up style of lift and transfer, a lifter plate allows the entire load to be lifted and then pushed off of the tray.

For more information on trays for automated storage solutions, email sales@miworldwide.com

MONOFLO INTERNATIONAL

Designed for Pin Up Lifting Systems

ASRS 3550 Series

ASRS3550-49
with Bar Codes

ASRS5070-49
with Bar Codes

Model	Outside Dimensions (mm)			Inside Dimensions (mm)			Weight (g)	Pallet Size (In)	Pallet Qty	Trailer Qty
	Length	Width	Height	Length	Width	Height				
ASRS3550-49	350.0	500.0	49.0	349.0	499.0	24.5	832	42x53	664	17,264

ASRS 3555 Series

Model	Outside Dimensions (mm)			Inside Dimensions (mm)			Weight (g)	Pallet Size (In)	Pallet Qty	Trailer Qty
	Length	Width	Height	Length	Width	Height				
ASRS3555-49	350.0	550.0	48.0	332.0	532.0	24.5	875	42x53	650	16,380

ASRS 5070 Series

Model	Outside Dimensions (mm)			Inside Dimensions (mm)			Weight (g)	Pallet Size (In)	Pallet Qty	Trailer Qty
	Length	Width	Height	Length	Width	Height				
ASRS5070-49	499.0	699.0	48.0	481.0	681.0	24.5	1,675	48x40	249	6,474

ASRS 5570 Series

Model	Outside Dimensions (mm)			Inside Dimensions (mm)			Weight (g)	Pallet Size (In)	Pallet Qty	Trailer Qty
	Length	Width	Height	Length	Width	Height				
ASRS5570-49	550.0	700.0	48.0	532.0	682.0	24.5	1736	48x40	350	9,020

MONOFLO SOLUTIONS

Use of In-mold Labeling (IML)

Cold storage applications place an added burden on any post-production adhesive label; condensation. Monoflo teamed with leading global label manufactures to source a label that could withstand the rigors of injection molding as well as the cold storage environment and created a process to mold each tray with the label inside of the mold during production, thus making a label that is impervious and durable for these difficult applications.
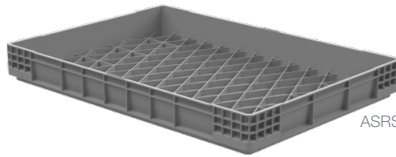
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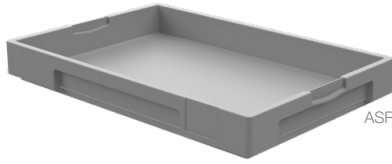
ASRS 6343 Series

ASRS6343-79

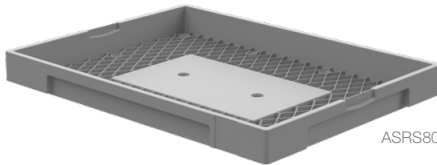| Model	Outside Dimensions (mm)			Inside Dimensions (mm)			Weight (g)	Pallet Size (In)	Pallet Qty	Trailer Qty
	Length	Width	Height	Length	Width	Height				
ASRS6343-79 W	628.0	428.0	81.0	593.0	393.0	64.8	1,900	51.5x49.5	210	5,040

ASRS 6747 Series

ASRS6747-80

Model	Outside Dimensions (mm)			Inside Dimensions (mm)			Weight (g)	Pallet Size (In)	Pallet Qty	Trailer Qty
	Length	Width	Height	Length	Width	Height				
ASRS6747-80 H	670.0	470.0	80.0	644.0	444.0	60.0	1,698	48X45	152	3,952

ASRS 8060 Series

ASRS8060-80
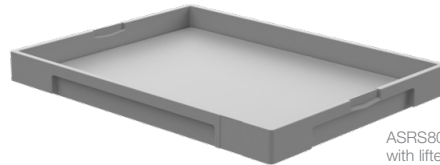
ASRS8060-80 with lifter plate

Model	Outside Dimensions (mm)			Inside Dimensions (mm)			Weight (g)	Pallet Size (In)	Pallet Qty	Trailer Qty
	Length	Width	Height	Length	Width	Height				
ASRS8060-80	798.0	598.0	80.0	757.0	557.0	64.0	2,432	48X32	72	2,808
ASRS8060-80 Lifter Plate	751.0	550.0	12.0	N/A	N/A	N/A	1,558	*	*	*

*Lifter plates are packed and shipped inside the corresponding tray

MONOFLO SOLUTIONS

Customization when Necessary

When a major clothing retailer fulfillment center was being designed, it was quickly determined that a custom tray was going to be needed… Monoflo work collaboratively to develop the new custom sized 670x470mm footprint tray with lifter plate for this customer's specific application.

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