



MacroFresh

COMMITMENT TO EXCELLENCE

As the largest manufacturer of bulk plastic containers, IPL Macro looks to the future, embracing new technology and continuing to set the standard for excellence in manufacturing and design.



Global harvest containers & totes designed to protect your produce

MacroFresh Harvest Products



Features

Lightweight Construction

100% Polypropylene

Rounded Corners

Smooth Surfaces

Multiple Ventilation Slots

FDA-Approved Materials

Splinter-resistant Plastic

Nonporous Surfaces

Easy-to-sanitize

Why Plastic?

Plastic is incredibly versatile, durable, lightweight, corrosion resistant, and waterproof. The materials used in MacroBins are FDA-approved and certified safe for use with food products.

Why Reusable?

Reusable containers create many environmental advantages by conserving materials and resources, reducing waste, and lowering packaging costs.

Harvest Products

IPL Macro farm to harvest containers and totes are specifically designed to increase efficiency and reduce waste for growers and packers. Our harvest containers are premium, high pressure injection molded plastic bins and totes, made with FDA-approved materials. Our bins and totes are 100% polypropylene, making them exceptionally durable and long lasting. Macro bins provide superior sanitation, increased ventilation, and weigh up to 40% less than alternative wood bins.

With a remarkable 30-year history in the agricultural market, Macro specialises in heavy-duty bulk containers and totes that can withstand the daily pounding that harvesting containers typically receive, while carefully protecting the fruits, vegetables, and other products stored inside. Our highly engineered bins protect your produce and reduce damage in the field and during transport, ensuring less wasted food!





IPL Macro has been driven by a spirit of innovation since the late 80's when MacroBins were introduced to the wine and stone fruit markets of California. The tremendous advantages of using plastic bins over traditional wood bins were immediately evident; growers and food processors alike began using MacroBins for better durability, sanitation, and productivity.

With a continuing vision to expand through innovative products, better services, and diversified markets, IPL Macro's commitment to global leadership in returnable and reusable plastic containers has been evident through unprecedented growth in the agricultural, food processing, retail and industrial markets. In addition to operating three extremely efficient manufacturing facilities in the United States, with some of the largest high pressure injection molding presses in North America, Macro has design teams, and a global direct sales force operating in key markets worldwide. IPL Macro is the Returnable Packaging Solutions Division of IPL Plastics Inc.

VALUE-ADDED SERVICES

Recycling

All IPL Macro products are 100% recyclable, designed with minimum material requirements and extreme durability to increase reusability. We also offer attractive incentives to return old MacroBins for credit towards future purchases.

Leasing/Rental Options

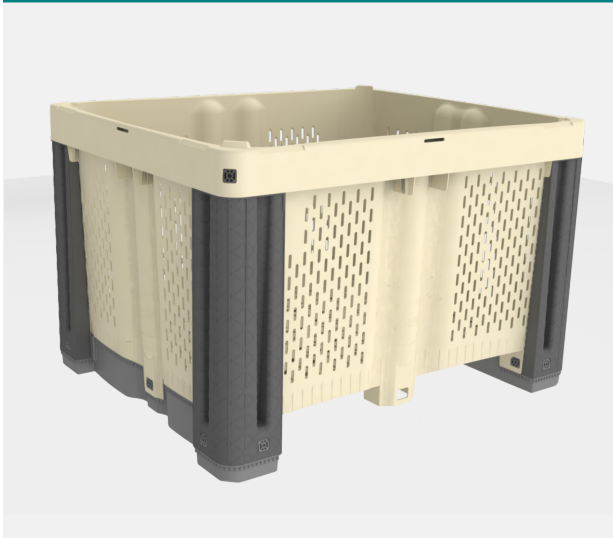
Ask us about allowing the leasing options we offer to help customers increase flexibility and improve shipment quality without tying to capital.

New Business Development

If our current product and services portfolio does not meet customer requirements, our experienced, world-class design and service teams will work closely with the customer to develop an ideal solution.



MacroFresh Hybrid 1012 & 1212



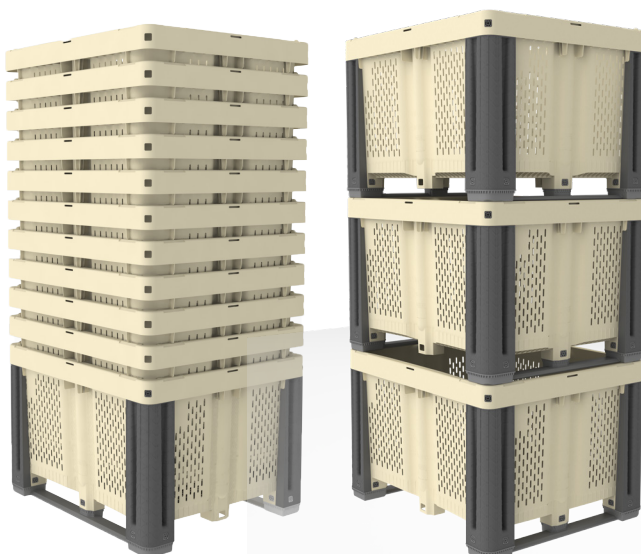
The Hybrid 1012 and 1212 are our most versatile bins ever! The highly durable injection molded plastic bins possess the ability to be used in a wide range of applications that include performing as a harvest, storage, handling, food, processing, or shipping bin. By designing unique column and feet inserts, our engineers have redefined what a **"harvest"** or **"shipping"** bin can do and how they perform - resulting in a "hybrid" bin that boasts the best of both worlds. The columns and feet are modular with the ability to be attached or removed. When removed, the bins nest into each other for economical shipping and storage. Rather than collapse, the Hybrid 1012 and 1212 maintain the rigidity that is key in making our agricultural containers perform at the highest level during demanding harvests.

1012: The Hybrid 1012 is perfect for your toughest harvest and storage applications and is the ideal bin for transporting goods globally with dimensions optimised for shipping. The bins achieve greater shipping efficiencies with their ability to nest inside each other.

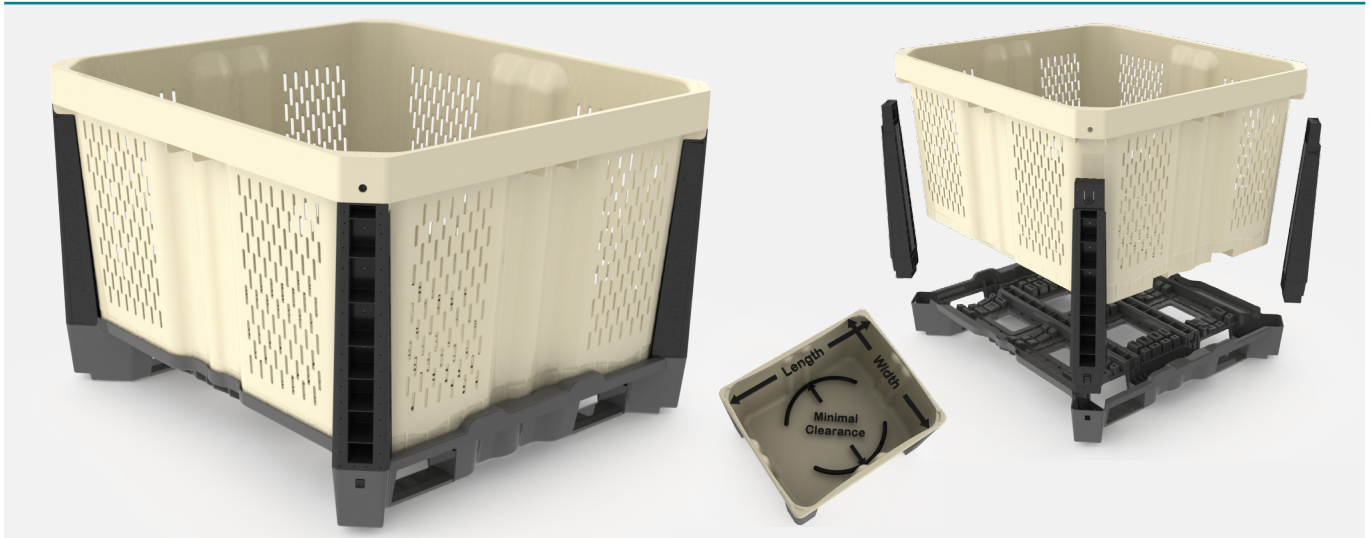
1212: Our ultimate harvest bin is delivered nested into each other for low-cost delivery. Once at its location, column and feet inserts can be locked into place. Fully assembled, the Hybrid 1212 is the ultimate robust bin, ready for handling, storage, and harvest applications.



The column and feet inserts can be locked into place permanently or removed for returnable shipping and storage.



MacroFresh Hybrid 44P & 44C



The Hybrid 44P and C: Are ultra-light, yet strong! The bins easily assemble to offer a great bin solution for handling, storing, or shipping agricultural products. When empty they are easily disassembled and nested for efficient storage or freight, which makes them a perfect returnable shipping bin solution.

The Hybrid 44P: Also known as the “**Shipper bin**”, the Hybrid 44P features an easy & quick snap on-off frame for efficient empty storage or efficient freight. Multiple frame options allow for 2-way or 4-way fork entry.



Features

- Quick-snap assembly and disassembly
- Nestable baskets and stackable bases
- Most efficient 4.7 to 1 return ratio
- Recyclable FDA-approved materials
- Rounded corners and smooth surfaces
- Interlocking foot design with bruise buffer zone

The Hybrid 44C: The ultra-light, yet strong Hybrid 44C is the compact version of the taller Hybrid 44P, which has given the nickname “**Short Shipper**”. The shorter height of the Hybrid 44C is ideal for more fragile produce, such as tomatoes, citrus, and mangoes.



Features

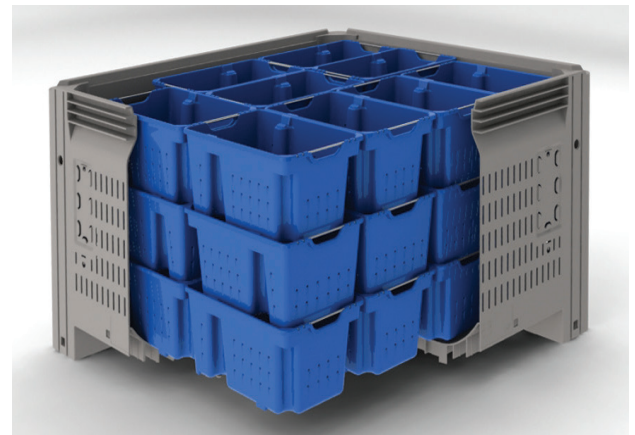
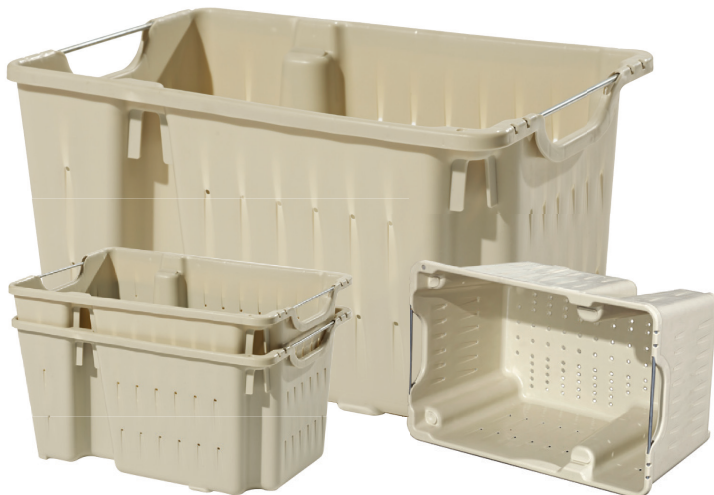
- Ultra-lightweight construction
- Quick-snap assembly and disassembly
- Nestable baskets and stackable bases
- Recyclable FDA-approved materials
- Rounded corners and smooth surfaces
- Easy to repair

MacroFresh ShuttleBin 330 & MacroTote 9FV



The ShuttleBin 330 is easy to set-up, use for displays, knock-down, and return. The optional drop-down doors allow for easy access on the retail floor, then the easy-to-fold side walls allow the ShuttleBin to collapse to a height of 12.1 inches. Durable and fully-vented, this compact-folding bin is the single solution for retail transport, storage, and display. The ShuttleBin 330 has a large bin capacity of 47,000 cubic inches and holds up to 1,500 pounds.*

The MacroTote 9FV answers the call for a complimentary tote that nests efficiently within our bins. The advanced tote design minimizes product damage, reduces heat absorption in the field, and offers the same great product protection as MacroBins.



Features

High Impact-resistant plastic lasts longer, standing up to heavy day-to-day use, season after season. The molded plastic is durable and resists splintering, reducing damage to your product and injury to workers.

UV-resistant plastic reduces heat absorption in the field extending the shelf-life of your produce.

15% more cooling vents provide better air flow and deliver better product from the field to store.

Greater shipping efficiencies with the ability to nest within our harvest bins.

Nonporous surfaces won't absorb water or dehydrate your product, thus the MacroTotes maintain a constant tare weight throughout their use.

FDA-approved materials are certified safe for use with food products, eliminating many HACCP problems associated with wood bins.

Rounded corners and smooth surfaces mean fewer scuffs, abrasions, and cuts on your product. Risk of contamination is reduced because there are fewer places for unwanted particles to hide.

Easy-to-sanitize MacroTotes keep cleaning costs to a minimum. A high-pressure wash removes most debris; a non-abrasive brush can dislodge any remaining items.



MacroFresh Controlled Atmosphere

Usually dedicated to the storage of apples, pears, or kiwi fruit in large chambers, the **controlled atmosphere** technology is now available in bin-size containers.

Running in regular cold rooms and operative for a wide range of fruit and vegetables, controlled atmosphere bins work with an all-natural process; the stored products create their own CA conditions simply by breathing. Patented gas selective membranes regulate the O₂ and CO₂ rates inside the bins for optimal preservation. Not only is the process natural, but it also saves energy.

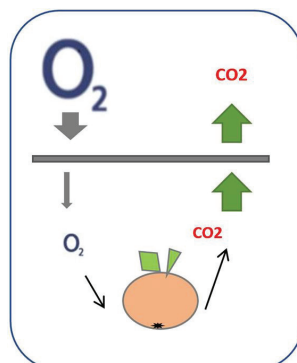


IPL Macro's ongoing commitment to offer growers innovative solutions that reduce food waste has led to a partnership with JMT US and the development of controlled atmosphere applications.

Controlled atmosphere has been used for decades to maintain the freshness and quality of produce for long-term storage by creating low oxygen conditions that reduce the respiration rate of stored fruits or vegetables. It is controlled atmosphere technology that allows for crisp, delicious apples nearly all year round.



JMT US LLC

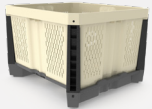


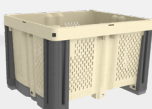





The controlled atmosphere conditions allow growers and shippers to maintain the highest quality possible out of their fruits or vegetables long-term while simultaneously reducing return freight thanks to our shipping optimized Hybrid bin.

The unprecedented combination of these features makes this new technology a new staple in the storage and shipment of fresh commodities.

MacroFresh Specifications

www.iplmacro.com
800-845-6555

	Model Number	Partial List of Uses	Outside Dimensions (L X W X H) (mm)	Inside Dimensions (L X W X Min Clearance) (mm)	Volume Capacity (liters)	Load Capacity (kg)	Tare Weight (kg)	Max Stack Weight (kg)	Fork Entry	Options
	44P (2-Way Pallet)	Apples, Citrus, Melons, Onions, Potatoes	1219 x 1118 x 781 (straps on long side) 1219 x 1118 x 814 (straps on short side)	1185.9 x 1078 x 939.3	732.1	430.9	29.9	a. 3856	2 way	Color options, Stamping
	44P (4-Way Pallet)	Apples, Citrus, Melons, Onions, Potatoes	1219 x 1118 x 814	1185.9 x 1078 x 939.3	732.1	430.9	29.9	a. 3856	4 way	Color options, Stamping
	44C	Citrus, Kiwi, Mango, Tomatoes	1219 x 1118 x 589	1184 x 1070 x 491 (Height)	454	400	24.5	a. 3856	4 way	Color options, Stamping
	1012	Apples, Onions, Citrus, Tomatoes	1000 x 1200 x 790	1134.4 x 950.8 x 814.4	640	500	29.5	a. 5000	2 way 4 way	Color options, Stickers
	1212	Apples, Onions, Citrus, Tomatoes	1200 x 1200 x 790	1150.5 x 1150.5 x 1014	780	500	31.7	a. 5000	2 way 4 way	Color options, Stickers
	Tote 9-FV	Cherries	431.8 x 279.4 x 215.9	Max: 411.1 x 258 x 198 Min: 385.2 x 231.5 x 193	16.8	10	0.86			Color options, Stamping
	ShuttleBin 330	Watermelons, Cantaloupes, Agriculture, Industrial	1016 x 1219.2 x 838	933.5 x 1136.7 x 682.6	770.2	680.4	49.0 - 0 dr 49.4 - 1 dr 49.9 - 2 dr	a. 2035.2	4 way	Tan only, Macro Lid, Vented or Solid



Notes

- All bins are made of FDA-regulated plastic material.
- All bins are ivory in color unless noted otherwise.
- Where noted, color bins are available at an additional cost.
- All bins are available with foil embossing at an additional cost.
- Dimensions assume tolerance of 1/4". Volume capacities assume tolerance of 5% and tare weights assume tolerance of 4% unless noted otherwise.
- Data is subject to change. Information valid as of 01/2014.
- Please refer to the appropriate User Guide for information on the safe transportation, stacking and handling of IPL Macro products. The User Guides in PDF format are available, call us at 1-800-845-6555.



In 2018 we joined **1% for the Planet** – an organization whose members contribute at least one percent of their annual sales to environmental causes. As current members, we have pledged one percent of the revenue from our Hybrid line of bin products to environmental nonprofits.

onepercentfortheplanet.org