



Huhtamaki

Bulkan® & Bulkan EX™

Celebrating Performance.



Here's the scoop.

With more than 2 billion containers sold, Bulkan is the most familiar, most functional and most widely scooped bulk ice cream container in history.



Bulkan – the original.

The best classics never go out of style. Since 1942 Bulkan has set the standard for bulk packaging. Today, more than 200 dairies worldwide prefer Bulkan over every other package. In the plant Bulkan continues to protect your quality from the havoc hardening and distribution can raise. Superior moisture barriers. Stackable. Cleaner and more durable than other options. Bulkan is a proven winner at keeping your product, and your reputation, at its peak.



Bulkan EX – the next generation.

To satisfy today's quality and safety concerns, Bulkan EX can be scanned with metal detection systems. In the place of metal bands, durable plastic rims give the Bulkan EX the same rigid construction as the Bulkan. Rings are secure with our "Positive Mechanical Lock" with a smooth plastic-to-paper transition that leaves no gaps.

Delivering the same performance, reliability and value of the market leader, choose printed or unprinted sides. White or kraft paperboard. Bulkan EX comes in sizes from 1.5 gallons to four.



Bulkan works in *your* plant. Huhtamaki provides a reliable supply chain with multiple manufacturing plants and cost efficiencies regardless of your volume. So you can form containers quickly and easily (8-25 per minute) in-plant without worry. Bulkan assembly and filling systems fit in a small footprint and are designed for demanding production facilities. Just a few adjustments allow you to produce multiple heights on the same machine. All Huhtamaki system equipment are backed by our on-call service technicians and in-stock parts. We'll install and can perform all preventative maintenance to keep you running efficiently. We will even supply back up equipment options in case of emergency.

Bulkan works for *your* customers. This is the container your customers have come to expect and trust. Bulkan is the industry standard for shape and size, and has an expansive mouth and sleek, straight walls that make for smooth controlled dipping, right down to the last ounce. Choose your size, from 1 gallon up to five. Choose your paperboard, white or traditional kraft. Choose to have your Bulkans printed or unprinted.



Bulkan works for *your* bottom line. Shipping flat for assembly in-plant saves on transportation and warehousing costs. It also gives you complete inventory control to assemble as many Bulkan containers as you need, when you need them. With this system, the amount of diesel fuel and number of trucks on the road can be reduced and will increase the quality and safety your customers have come to expect. This can be a significant component in your sustainability initiative.



We are the experts in frozen dessert packaging.

You stand behind everything you make, and so do we.

Our Bulkan assembler and filling systems are designed and built in the US by equipment engineers who understand packaging. Small footprints. Minimum utility requirements. Simple operation. Optional maintenance plans. All designed to deliver maximum value.

FM-2000 - EX Bulkan EX Forming Machine



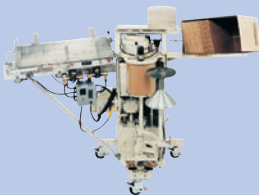
Containers:	1.5-4 gallon containers
Production Rates:	10 containers per minute
Dimensions:	Length: 66.5in. (1689mm) Width: 49 in. (1245mm) Height: 88.1 in. (2238mm)
Weight:	5,900lbs. (2676kg)
Electrical:	240 Volts AC, 3 Phase, 80 amp
Pneumatic:	25scfm @ 90 psig, measured at machine
Note:	Not intended for washdown service

FM-1800-FABA Fully Automated Bulkan Assembler



Production Rates:	15-25 containers per minute
Dimensions:	Length: 114in. (2895mm) Width: 119in. (3022mm) Height: 78in. (1981mm)
Weight:	9,000lbs. (4082kg)
Electrical:	240 Volts AC, 3 Phase, 60Hz, 40 amps
Pneumatic:	10scfm @ 80 psig, measured at machine (max allowable pressure: 100 psig, min. allowable pressure: 60psig)

FM-1800-RIP Ring-In-Place Bulkan Assembler



Containers:	1-5 gallon containers
Production Rates:	480 containers per hour
Dimensions:	Length: 84.5in. (2146mm) Width: 34.5in. (876mm) Height: 48.5in. (1232mm)
Weight:	725lbs. (329kg)
Electrical:	1hp, 230 Volts AC, 60Hz, 1-phase, 4.5amps (Optional transformer to meet international specs.)
Pneumatic:	1.0scfm @ 60 psig, measured at machine (recommended operating pressure is 45psig.)
Note:	By special order, FM-1800-RIP assemblers can be equipped with a 1hp, 3-phase, 208/230/460 Volt motor that will operate on 50 or 60Hz. Speed will be reduced when operating on 50Hz.

FM-1800-ABA Automated Bulkan Assembler



Containers:	scored, spiral wound sidewalls.
Production Rates:	480 containers per hour
Dimensions:	Length: 78.75in. (2000mm) Width: 36.5in. (927mm) Height: 72.25in. (1848mm)
Weight:	550lbs. (249kg)
Electrical:	1hp, 115/230 Volts AC, 60Hz, 1-phase (Optional transformer to meet international specs.)
Note:	By special order, FM-1800-ABA assemblers can be equipped with a 1hp, 3-phase, 208/230/460 Volt motor that will operate on 50 or 60Hz. Speed will be reduced when operating on 50Hz.
Optional Equipment:	Air operated mandrel system (0.5scfm @ 50 psig). Quick change adaptor (for one gallon). Dolly.



**163, 247, 627, 851
scoops and counting...**

Enough ice cream has been dished out of
Bulkan® to circle the globe 1,624 times.

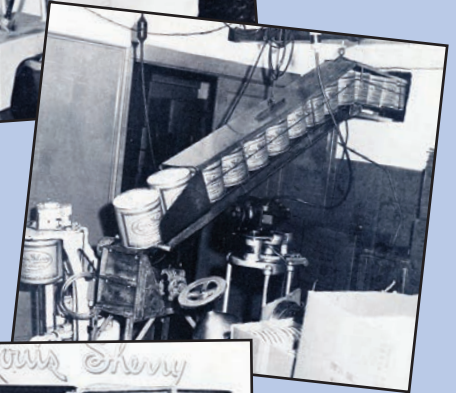
Bulkan still out of this world!



Decades of success.

The original Bulkan design and forming equipment drawings date back to the mid 1930's, but it wasn't until 1942 that the Bulkan container was introduced to the frozen dessert market. By 1945, Bulkan was commercialized for the ice cream industry, the converting processes were refined and the container forming equipment used by the customer was perfected. This new Bulkan brought manufacturers better packaging for ice cream and was soon expanded to products like frozen eggs, cocoa butter, lard and other similar products. Later Bulkan versions featured barrier linings that held products like potato chips, pretzels, and processed snacks – even bulk lip stick.

From its inception, Bulkan was built for strength, rigidity, cleanliness and reliability. The first paperboard materials were chip board. Today, Bulkan materials are layered SBS paperboard, designed for fast freezing, stacking, shipping, restacking and end user safety – just as the original Bulkan designers intended. These attributes laid the groundwork for this industry standard that is still recognized and holds true today.



Huhtamaki

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