

MASEK Insights 3



Viking Masek opens new Cartoning Center to meet increased global demand

We are excited to announce additional growth of Viking Masek Group with the opening of a new production site.

The new production facility will be a Cartoning Center, which was created to meet increased global demand for full turnkey packing line solutions.

Construction of Viking Masek's new Cartoning Center began in early 2017 and will soon open near Karlovy Vary in Czech Republic with a festive ceremony in October 2018.

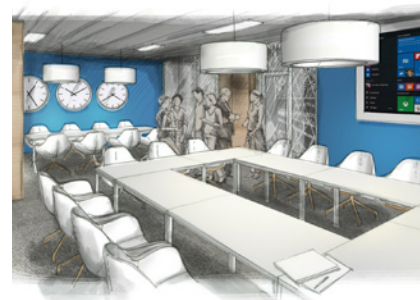
The new modern Cartoning Center features contemporary design offering convenient space to build complete packing lines to meet customer demands for single-source turnkey packaging system production. The production site features 5,000 square meters

of production area and 1,000 square meters of administrative offices.

The new Cartoning Center has created many new permanent, technology-focused jobs. Viking Masek undertook initiatives as far back as 2015 to attract young professionals in Mechanical/Electrical Engineering and PLC design as well as other areas of industrial automation in the packaging sector.

Keeping in mind the goal of being the best equipment partner in the packaging industry, the new Cartoning Center showcases the high standards customers have come to expect from Viking Masek machinery.

In addition to the new plant in Czech Republic, Viking Masek has two additional production sites in Czech Republic and USA, as well as more than 20 sales and service companies worldwide.



Dear Valued Customer,

Welcome to new issue of our Viking Masek Insights. We at Viking Masek are proud to announce that we will opening the new factory for cartoning machines soon. Two years ago, we decided to build this new factory in Nova Role, CZ, close our current location of cartoning division. For us, this is more than financial investment. We are investing also for the people. We want to triple the number of employees in our cartoning division in the next 2 years. I started by talking about our journey. It is also a journey into the future. We are now starting new era. Developing new machine models, investing in automation, offering new technologies.

Our quality promise applies worldwide – whether "made in Vlasim, CZ" or "made in Nova Role, CZ" or "made in Oostburg, USA" The crucial point is "made by Viking Masek."

Let's build together the future.

Lukas Masek
Vice-president

A NOTE FROM THE DIRECTOR

Freedom Foods Packaging Line

The global gluten-free products market was estimated at \$4.63 billion in 2015 and is expected to reach \$9.24 billion by 2022. To keep up with increasing demand for gluten-free products, Freedom Foods, a leading gluten-free cereal producer in Australia, knew they needed to step up their production capabilities. Viking Masek, a long-term supplier of Freedom Foods, had just the right packaging expertise to help support their growth. When Freedom Foods decided to invest in second packing line, the decision to order from Viking Masek was an easy one. A Viking Masek packaging line purchased in 2014 (shown below) had already been very successful for their operations.



Viking Masek loves repeat success stories! We recently installed and commissioned the second complete cereal packaging line for Freedom Foods, the biggest Australian producer of gluten-free cereals.

The new complete packing system for gluten-free cereals includes continuous



motion vertical bagger MS400c, which packages 375g bags of cereal at speeds of up to 100 bags per minute.



An outfeed conveyor with calibrating unit helps distribute the product inside of the bags to prepare them for a high-speed loading unit.

A high-speed, precisely engineered loading unit quickly loads filled bags into a continuously running servo-driven bucket conveyor.

Empty pre-glued cardboard cartons are discharged from a magazine of cartons by a continuous motion rotating pick

and place unit using a suction generated by a vacuum pump.

The continuous motion bucket conveyor loads filled bags into a barrel CAM loader unit, which quickly places them into the pre-glued cardboard cartons.

The vacuum pump and hot melt glue unit drives are energy rated, which helps conserve energy and minimizes impact on the environment. Durable, high-tech packaging machines enable this customer to provide a premium product to end users that meets their dietary needs.



Viking Masek Ultrasonic sealing technology for non-woven desiccant bags

A global market leader in the production of desiccant bags continues their long-term business partnership with Viking Masek. The desiccant pack manufacturer has recently updated their packaging technologies, enabling them to provide a better product on a global scale from their production facilities in the United States, Europe, and China.

Viking Masek developed and supplied them several vertical baggers using an ultrasonic sealing technology in cooperation with premium well-known ultrasonic supplier Herrmann Ultrashall.

The entire packaging system has several other capabilities, including:

- Inserting the die pill into a bag with a vibrating magazine using custom-made PLC software that provides flexibility during dosing.
- Checking continuously for the presence of non-woven film in both the vertical and horizontal sealing jaws.
- Printing on non-woven film right after filling and before sealing the bags, which minimizes cost and decreases waste of packaging material.

This newly developed packaging solution also enables the customer to produce a gusseted type of desiccant bag, which increases filling volume.



WHAT MAKES OUR DESICCANT BAG PACKAGING SOLUTIONS EVEN BETTER?

Here are a few reasons why our desiccant packaging solutions are superior and yet remain so cost effective. Our state-of-the-art desiccant bag packaging machinery has the following advantages for the pharmaceutical market:

- Fully stainless steel/aluminum construction with all product contact parts constructed using AISI 304 Stainless steel. This means there is no paint or oxidized metal that could contaminate the desiccant or packaging materials.
- Much more precise fill accuracy.
- Heat sealed joints which lower risk of product failure.
- Capability to package a wide variety of absorbent materials including silica gel, clays, and molecular sieves, which don't absorb nitrogen.
- Capability to use a wide variety of desiccant bag film materials including Tyvek. These bags can be printed with identifying information, details, branding, or instructions.
- The machine conforms to Good Manufacturing Practice of the European Union (GMP of the EU).
- Innovative control software system conforms to the Open Modular Architecture Controls Association which has members including Procter & Gamble, Kraft foods, Honda, Boeing, and Daimler Chrysler.
- Recuperative energy technology recycles the deceleration energy of the production process back into the system, greatly reducing the energy footprint of production.

Other 2018 Exhibitions

We look forward to seeing you at an other Exhibition in 2018.

 **FachPack**



**25-27
September, 2018**

Nuernberg, Germany

**25-27
September, 2018**

Birmingham, UK

**8-12
October, 2018**

Moscow, Russia

**14-17
October, 2018**

Chicago, USA

**17-20
October, 2018**

Jakarta, Indonesia

Developing the fastest VFFS system in the world

The Challenge

A coffee contract packager approached Viking Masek searching for a fast and flexible way to package fractional packs of coffee.

Our Approach

Our initial approach to the co-packer's challenge was to provide our high-speed VFFS VELOCITY machine. This system also included our patented continuous motion rotary heat seal jaws, which allows the machine to reach true production speeds of up to 150+ bpm.

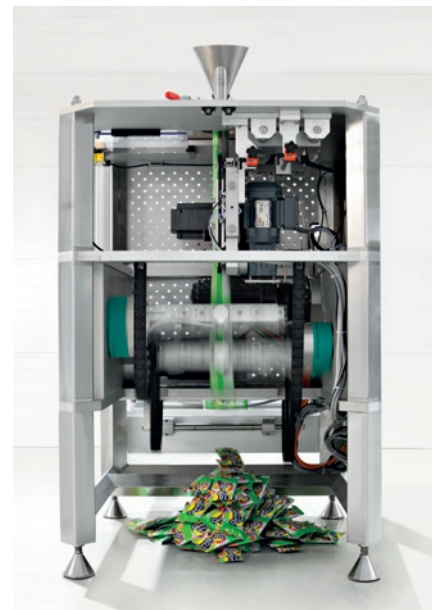
The Viking Masek Solution

Our market-disrupting VFFS VELOCITY solution combines two high-speed VFFS Velocity packaging machines into one small footprint, conserving floor space.

This twin Velocity system is the fastest VFFS machine in the world, reaching true production speeds of up to 300 bags per minute (150 bpm per side) for ground.

The Final Result

A machine that pushes the envelope on speed and accuracy. This contract packager was able to double output with half the labor expense.



Europe, Asia, Africa, Australia

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