

VELTEKO

The vertical packaging machine experts

# Innovation & Evolution

FROZEN FRUIT  
EDITION

Velteko's packaging solutions for fragile frozen raspberries

Up to

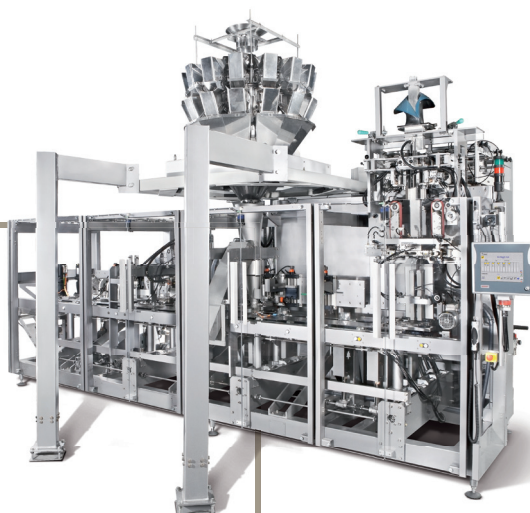
**90% less damage**

to frozen raspberries  
and fragile fruit



US 100 series

Custom product  
mixes with  
**minimum  
falling height**



**HIGH SPEED**  
Multihead weighers for  
**non-fragile products**

HSV 360 Conti

**+ Gentle**  
HS Linear  
dosing  
weighers



Linear dosing weighers  
**+ Flow control tube**  
Guaranteed minimum  
product breakage ratio

**4**

unique vertical  
packaging machine  
solutions

## 25th Anniversary

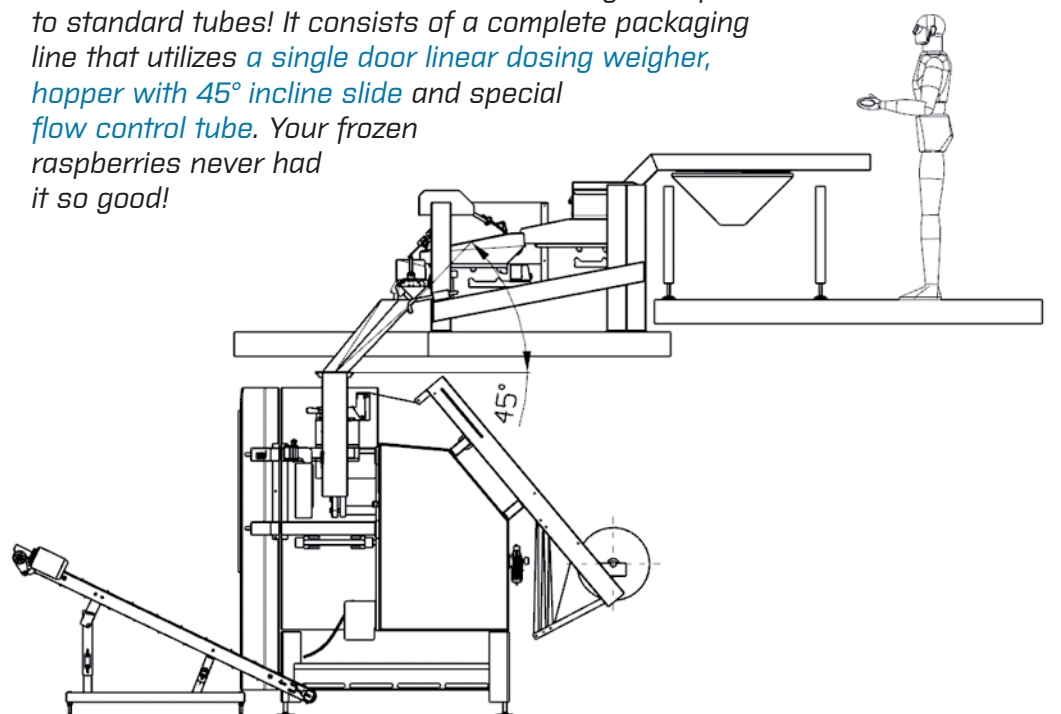
Velteko celebrates 25 years of experience in the development and manufacture of vertical packaging machines. See more at [25.velteko.com](http://25.velteko.com)



# 1 Your best choice for packaging frozen raspberries

50% - 60% reduction\* in breakage!

Velteko's purpose designed solution drops your frozen raspberries from minimum heights and slides them with the greatest of care to achieve a 50% - 60% reduction in breakage compared to standard tubes! It consists of a complete packaging line that utilizes a single door linear dosing weigher, hopper with 45° incline slide and special flow control tube. Your frozen raspberries never had it so good!



## Advantages:

- Gentle handling of frozen raspberries
- Packaging into pillow or gusseted bags
- Available on all HSV series packaging machines
- Compatible with new types of closing systems

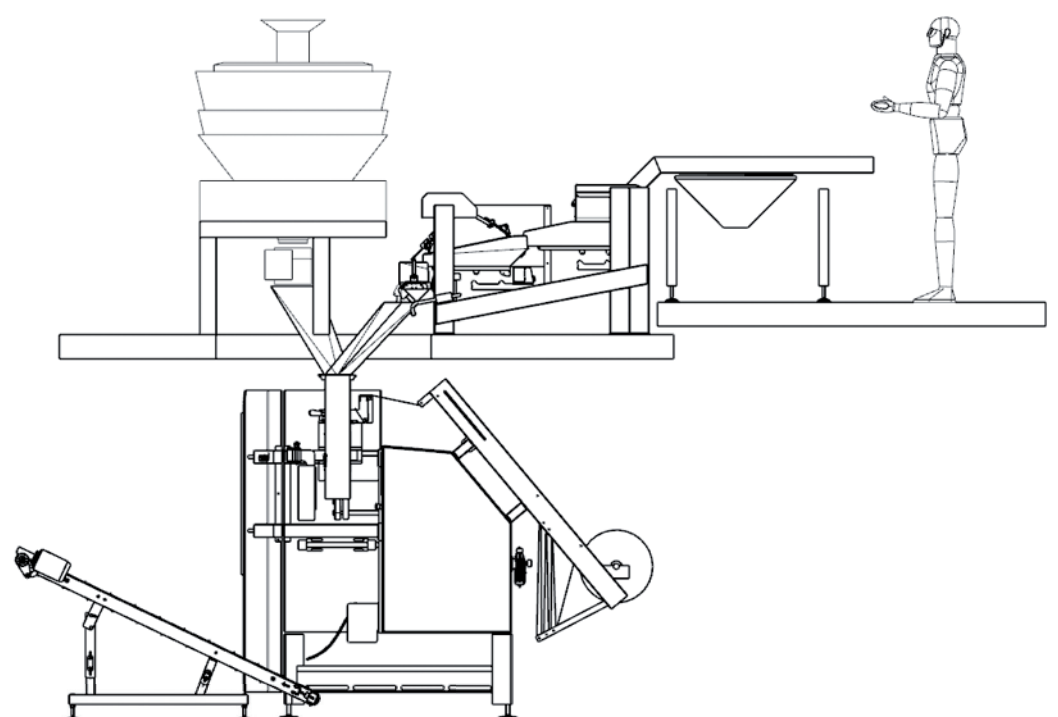
## HS322 Linear dosing weighers

- Manual feeding of product directly into linear weigher hoppers or through vibration of a horizontal sorter
- Single door weigh buckets achieve lowest possible impact when dosing product into hopper
- Hopper with 45° slide incline angle for delicate product delivery and feeding into bags



# 2 50% - 60% less damage to fragile fruits & Top speeds for non-fragile fruits

Velteko satisfies your packaging demands for both fragile and non-fragile frozen fruit. For your fragile frozen fruit, the combination of HS linear dosing weighers, flow control tube and continuous motion machine operation ensure a much lower rate of breakage compared to round tubes. For your non-fragile fruit, Velteko's use of multi head scales ensures top packaging speeds.



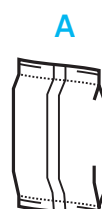
## HSV360-Conti vertical packaging machine with multi head scales and HS linear dosing weighers

### Fragile products

- HS linear dosing weighers
- Flow control tube for reduction of fall speed
- Continuous motion reduces impact of product on cross jaws

### Non-fragile products

- High speeds ensured by multi head scales without flow control tube





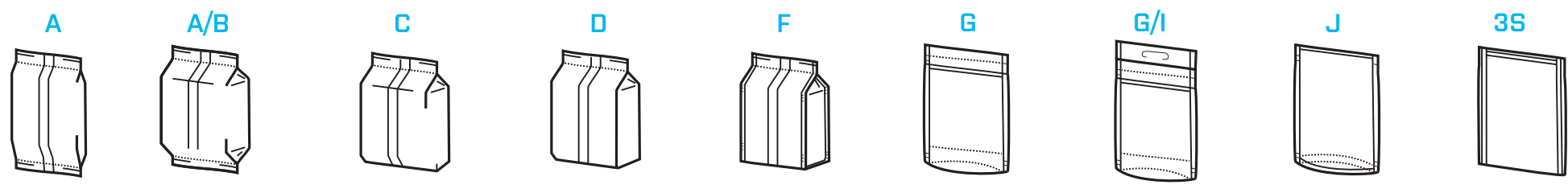
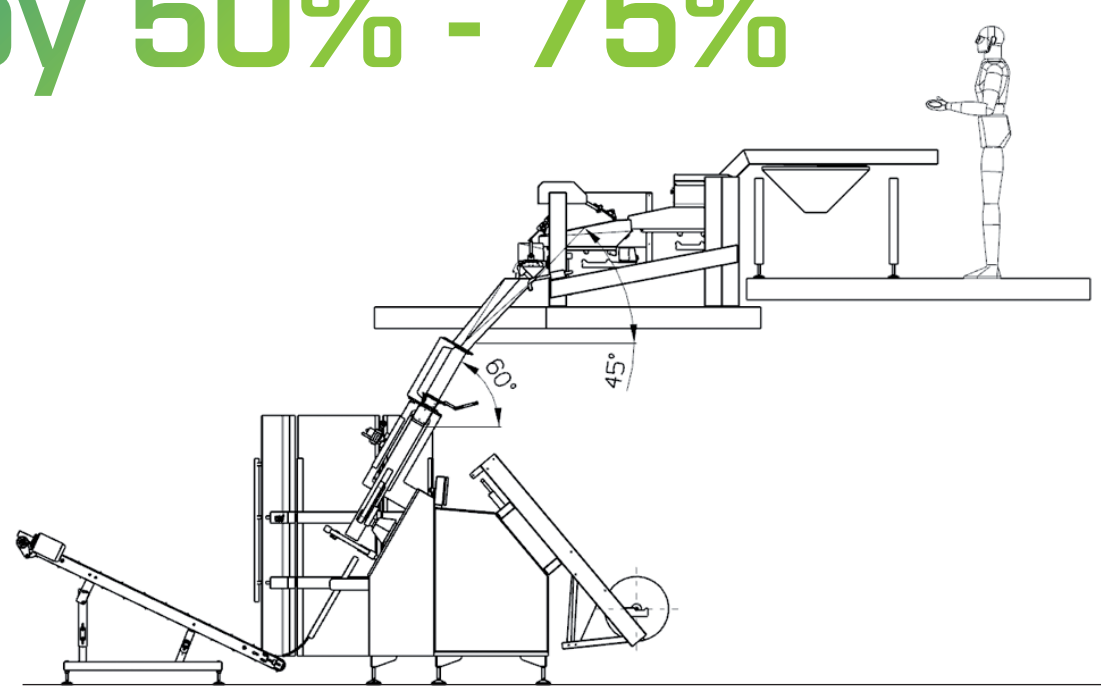


# 3 30° incline tube reduces frozen fruit damage by 50% - 75%

Let your raspberries and fragile frozen fruit gently slide into their bags with Velteko's gentle, 30° incline slide. Ensure your fruit is delivered to customers in "freshly picked" condition.

## Advantages:

- ❑ Large selection of bags (pillow, gusseted, flat bottomed, corner creased, quad seal, easy pack, doy-style, flat)
- ❑ Compatible with new closing systems
- ❑ Full cross section of the tube can be used
- ❑ Speeds up to 45 bags/min while keeping fruit structure intact



# 4 The super versatile Create & Close machine series!

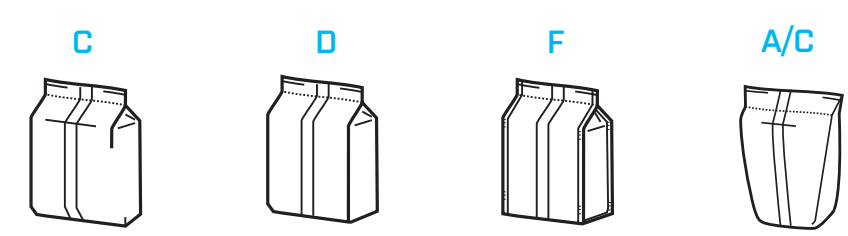
## 80% - 90% REDUCED BREAKAGE\*

\*Compared with standard tubes

The US 100 handles your frozen raspberries and other fragile fruit almost twice as gently as a tube, and packages them into folded bottom bags with 5 different reclosing systems, including TinTie. Your frozen fruit is delivered in pristine condition to your customers.

## Advantages:

- ❑ Perfect for all types of frozen fruit and other fragile products
- ❑ Fall height of 360 - 570mm
- ❑ 91 different types of bags
- ❑ Flat bottomed, corner creased, quad seal and expander bags
- ❑ 5 reclosing systems including TinTie
- ❑ Custom product mixes
- ❑ Speeds up to 45 bags/min while keeping fruit structure intact
- ❑ Intuitive control





# Case Study



## Elixir Food

ČLANICA ELIXIR GROUP



www.insidea.cz

in

Designed by Insidea

05/2016

"Our whole experience with VELTEKO has been first class. From helping us specify the right machine down to the installation, customer service and support offered. We are delighted with the synergy that VELTEKO have been able to provide our business. Reliability is one of the most critical factors when choosing new equipment. As anyone who handles them will testify, deep frozen raspberries are a difficult product to package correctly. The VELTEKO team has been incredibly accommodating to our business needs and have displayed flexibility with those needs in order for us to regain control of our packaging process. Thankfully, with clear instructions from VELTEKO, we are now equipped with both the knowledge and confidence to use the equipment and deliver a first class product to our customers."

## THE CHALLENGE

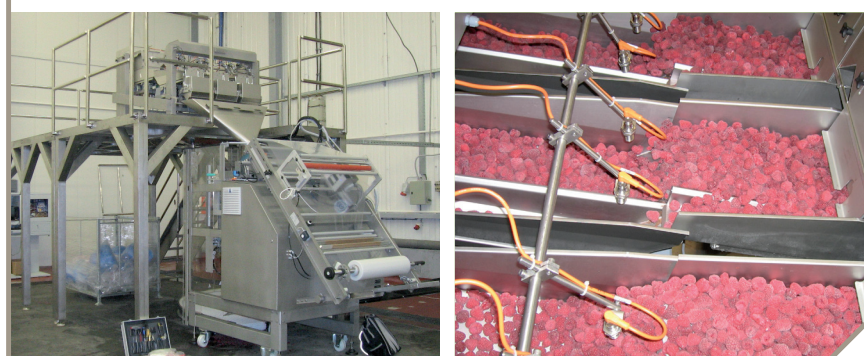
Elixir Food, one of the largest producers and exporters of frozen fruit in Serbia, is well aware of *the revolutionary frozen fruit packaging system on VELTEKO vertical packaging machines* and their legendary "breakage-free" status known throughout the global packaging industry. Therefore, they approached them with a difficult challenge - *achieve a minimum level of damage* to Elixir Food's frozen raspberries during high-speed packaging.

## VELTEKO SOLUTION

To address this challenge, VELTEKO engineers called upon their extensive experience with packaging frozen fruit, carried out in-depth testing, and held extended consultations with the Technical Director at Elixir Food and Velteko agent Agrofood (experts in frozen raspberries). The result was *a unique, versatile packaging line designed especially for dosing and packaging frozen raspberries into the specified pillow bag and folded bag.*

### Key Features of the evolutionary HSV360-Conti vertical packaging machine:

- HS322 Linear dosing weighers (3 weighing lines)
- Flow control tube for minimizing product breakage (raspberries gently slide down the tube)

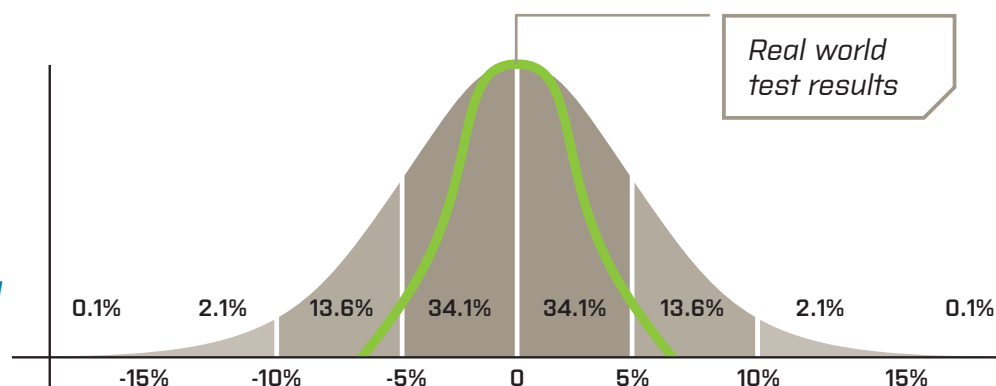


## RESULTS

Velteko's vertical packaging expertise, and extensive experience with packaging fragile frozen fruit, allowed them to meet and exceed the needs of Elixir Food.

### Reduced raspberry breakage at Elixir Food

The graph shows the tested and confirmed results of reduced breakage on the installed Velteko HSV vertical packaging machine and HS322 scale.



Reduction of Elixir Food's packaging crew from 40 to 6 people while achieving greater packaging volume

Easy and pain-free transition from manual to automated packaging

Creation of small packages without a negative impact on product quality

### Elixir Food test results of the Velteko machine after installation in the production line

**85.17 %** of all doses with product breakage of **less than 5 %** (between 2.01% - 4.5%)

**14.82 %** of all doses with product breakage **slightly above 5 %** (of which **4.94 %** have a maximum product breakage of **6.22 %**)

Packaging of *single products* weighing from 300 g to 2.5 Kg

Frozen fruit can be packed as *single products* or as *mixes with other small fruits*



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