

Dear business friends,

you have just been given this year's second copy of our VELTEKO TechNews where we would like to draw your attention to our high speed machine HSV 101B Continual, one new interesting type of bag and two new machines – ancillary equipment to make the so-called "block bags" and brand new vertical FFS packaging machines HSV 52A and HSV 52B. We will be happy to show you these machines and a lot more in our test centre and show room in Vlašim.

Vertical FFS packaging machine HSV101B CONTINUAL

The HSV101B CONTINUAL is a continuously operating three-axis packaging machine with modular construction and most of the common components with the intermittent machine HSV101B FLEXIBLE. The robust mechanical construction, the use of high quality materials, and brand-name components are the prerequisite for high reliability and long service life.

The HSV101B CONTINUAL represents an optimum choice when high performance in non-stop production in packing bags up to 5 litres is required. The maximum width of the transverse seal is 280mm. The maximum output of the machine is up to 180 bags/min.

The HSV101B CONTINUAL packaging machine can be equipped with additional devices known by our customers from the previous machine range, whereas the majority of these devices have been substantially upgraded for this purpose.

The machine features are as follows:

- Robust mechanical construction
- Main functional parts are servo driven
- Maximum width of the transverse seal is extended up to 280mm
- Vacuum film feed
- Automatic film centring on the collar
- Controlled by industrial PC Beckhoff CP6201
- Easy controlling through a coloured touch screen 12"
- Wide possibility of pre-setting and communication
- Self-diagnostics
- Possibility to work in intermittent cycle

Type of Bag	Max. speed (Bags/min)
A	180
A/B	150
B	90
C	90
F	90
J	90



The Doypack with secondary closing by means of „Memory strip“

In our TECHNEWS No. 1/2008, we informed you about the first ever known use of memory strip on a vertical FFS packaging machine by an applicator. It was a cushion bag or a flat-bottomed bag, fitted with a secondary closure, making it possible to close the bag repeatedly after it is normally opened. The contents of the bag are thus protected against spilling out and the strip is also helpful in keeping the aroma of the goods. This unit was also developed by VELTEKO.

Now, we are informing you about a new application of the memory strip – this time, as the secondary closure of the Doypack type of bag also manufactured on the VELTEKO VFFS packaging machine.



Packaging with the use of Doypack bags is carried out on a standard VELTEKO machine of HSV101B type with ancillary unit to make these bags. We have applied for both Czech and European patent for the invention related to the solution of the ancillary machine. The machine equipped in this way was provided with another ancillary unit for longitudinal application of the memory strip, which resulted in a bag of Doypack type with a memory strip (orientation according to a standing bag) sealed in the area below the upper seal as the secondary closure.

Both of the main advantages (protection of the contents against discharging as well as longer preservation of the goods aroma) are kept, of course.

Companies Bischof + Klein and Mondri Packaging Lindlar recommended a suitable film for the bag given and delivered it for testing.



Ancillary US60 unit for the HSV101B machine to make block bags

The US60 is a newly constructed ancillary unit to the packaging machine HSV101B to make "block" bags. The HSV101B packaging machine makes a bag with folded bottom, fills it with goods and switches it, either open or partly closed, onto the conveyor drivers of the ancillary unit US60 for further processing.

The unit can shake down the contents of the bag, form the bag to its final block shape, close seal the bag by sealing, trim the seam edges, fold the seam by 90° or 270° and seal up the fold with a label or with a melting adhesive.

Due to the modular design of the unit, it is possible to set up the machinery precisely according to customer requirements, i.e. without the stations they do not need.

The US60 is controlled by the control system of the packaging machine. The control are also on the common terminal with the packaging machine.

Basic technical parameters

Final size of the bags (width x depth x height):

min. ...60 x 40 x 120mm

max. ...120 x 80 x 200mm

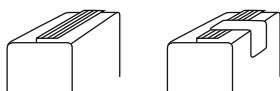
Bag material: Laminated packing material, heat sealed

Maximum usable output when packing 60 bags/min.

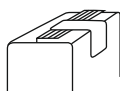
The labelling machine Willet LA 210 for sealing up the fold with a label was modified and provided by JaGa spol. s r.o. in order to test and check out the ancillary unit US60.

The labels for closing the bags were recommended and delivered by PEMAX PRINT spol. s r.o. in order to test and check out the US 60.

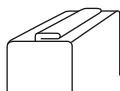
Bag types made on unit US 60



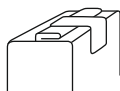
E - 270°
F/E - 270°



LABEL



HOT-MELT



LABEL



C - 180°
F - 180°



New vertical FFS packaging machines HSV52A and HSV52B

These are new vertical FFS packaging machines replacing in production the existing Veltako HSV50B machines and simultaneously enhancing their capabilities.

The HSV 52A machine is a cheaper version for lower outputs with transversal jaws driven by cams and an asynchronous motor, controlled by an industrial PC CX1000 and operated via a 5.7" monochromatic touch screen monitor.

The HSVB is a more powerful version with transversal jaws driven by a servo motor and controlled by a powerful industrial PC CP6201 with a built-in 12" colour touch screen monitor.

To shorten the production time (and thus the delivery time), the mechanical layout of the machines was designed as a set of modular units enabling to set up basic as well as derived variants of machine – from the simplest (and thus the cheapest) to the most complicated (the most expensive) version.

The HSV52A and HSV52B machines can be equipped with the same ancillary equipment.

Technical parameters:

Maximum size of the transversal seam.440 mm
 Range of bag widths152-440 mm
 Bag bottom max. size.380x140 mm
 Length of transversal jaw, standard.640 mm
 Length of transversal F-jaw480 mm
 Length of bag.100 ÷ 600mm (by multiple step without restriction)
 Packing material role max. width.1,100 mm
 Max. diameter of packing material role450 mm
 Max. diameter of core70-75 mm (150-152 mm by request)

Packing material:

- Mono film and laminated foils intended for packing on automatic packaging machines
- PE foils



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