

Packaging line including HSV 101B FLEXIBLE and bag closing unit US60

Packaging line is integrated with a vertical form, fill and seal packaging machine HSV101B FLEXIBLE and with modified bag closing unit US60.

The unit US60 is constructed for closing of bags with rectangular bottom that has been formed by machine HSV101B. This packaging line can operate in three (3) basic modes:

1. Bags are made and filled by machine HSV101B and closed by unit US60
2. Bags are made by machine HSV101B and filled and closed by unit US60
3. Bags are made and partially filled by machine HSV101B and completed and closed by unit US60

Possible bag type: A/C, C, D, E, E/F, F – see www.velteko.com

This integrated Packaging line is designed for:

- Packing into block bags
- Packing of fragile products that requires reduced drop fill height
- Multi component dosing
- Forming and filling of A/B bags

Remark: The use of the line for packing of fragile goods may be more effective than alternative packing into pre-made bags.

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

Primary and secondary bag closing:

Bag types	Secondary bag closing system
E, E/F	top seal folding by 90° or 270°, fixation by hot-melt or label
A/C, C, D, F	memory strip, zipper or tin-tie closure methods

Modular construction of bag closing unit enables to build-up the machine according to the specific requirements or application.



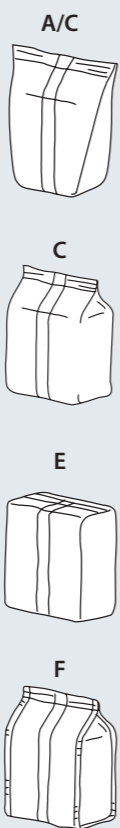
Basic technical parameters

Final size of the bags (width × depth × height):	
Min.	80 × 60 × 190 mm
Max.	180 × 100 × 300 mm

Maximum speed:
60bags/min.

Bag material: laminated films sealable by heat.

Samples of possible bag types



HSV 120 CONTINUAL DUPLEX

Company VELTEKO produces three basic size ranges of vertical FFS packaging machines: HSV 101B, HSV 120 and HSV 52. The mid range HSV120 includes four basic executions – ECONOMIC, FLEXIBLE, CONTINUAL and CONTINUAL DUPLEX, which will be exhibited at Interpack 2011 and will be shown for the first time to the public.

The machine HSV 120 CONTINUAL DUPLEX is equipped as standard with two separated film unwinding devices; each device is centered actively to the respective tube axis, thus there are used two identical separate rolls of packing material. The machine works with laminated packing materials as well as PE mono-films. Feeding of the film on the tubes is provided by a pair of vacuum belts. Cross and longitudinal jaws are identical with jaws on our other machines of the series HSV120. Maximum width of bags type "A" is 152 mm.

The machine is controlled using a powerful industrial computer PC Beckhoff CP6201 that is used by VELTEKO as standard in all our continual machines. Intuitive and interactive setting of operating parameters on a 12" touch colour screen is also standard on all continual machines from VELTEKO.

Maximum mechanical output rate of the machine is 400 bags per minute. Maximum actual speed with product is up to 360 bags per minute. Specific output rate will depend on the actual product, packaging film and dosing system used.

Products can be dosed using a dual dosing fillers (auger or volumetric) from VELTEKO, suitable dosing devices for liquids or suitable split multi-head weigher.

Higher speed at a lower price – improvement of the machine VELTEKO HSV120 CONTINUAL DUPLEX compared with the previous twin-tube packaging machine HSV220.

- **Higher speed**
- Possibility of packing into PE mono-film
- Standard execution in VELTEKO stainless steel
- Control of the machine using an integrated industrial PC Beckhoff CP6201
 - 12" Colour touch screen
 - Intuitive and interactive setting of operating parameters



- Messages on the screen in Czech, English, German, Polish and Russian
- Comprehensive help for individual controls and for events occurring on the machine (fault messages, operating messages, info messages ...)
- Configuration of access levels for individual controls on the terminal: operator – adjuster – Velteko technician.
- Automatic parameterisation of programmable components, e.g. servo-regulators, frequency converters, etc. with their replacement, so that presence of a programmer is not necessary.
- 500 memories with setting of operating parameters and export and data backup options.
- Extensive statistics.
- Extensive auto-diagnostics and monitoring with registration for the entire service life of the machine.
- Connectivity – standard USB ports and network card. Data and programme transfer and backup, connection to the customer's network, remote SW management, etc.
- Optional use of SW „packets“ Velteko for export and processing of statistic and operating data.
- Composite forming collars
- Use of two separate rolls of packing material
- **New ... Lower price**



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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 cross seal is 280 mm. The maximum output of the machine is up to 180 bags / min.

The HSV101B CONTINUAL packaging machine can be equipped with many additional devices – see www.velteko.com

HIGH SPEED



The machine features are as follows:



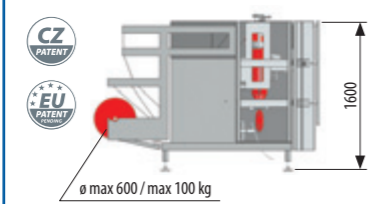
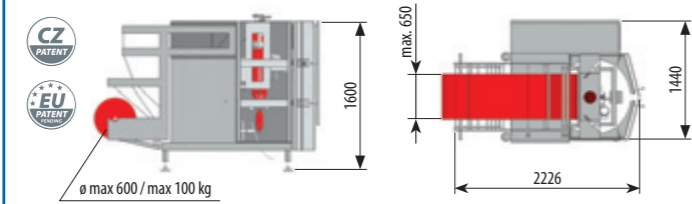

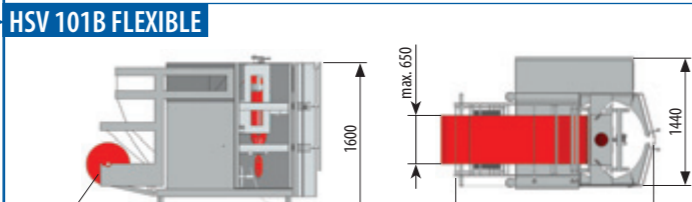

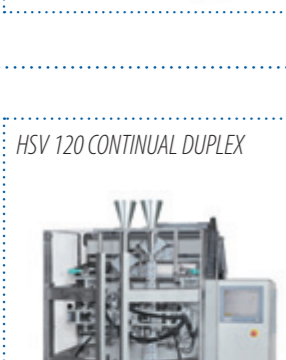

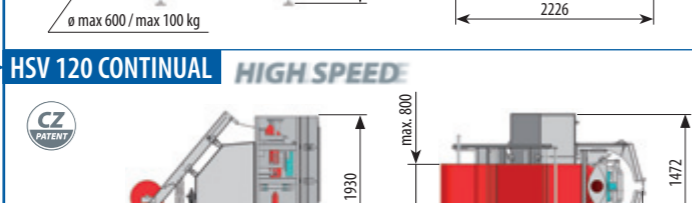
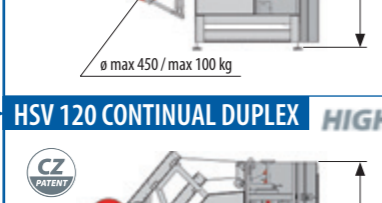
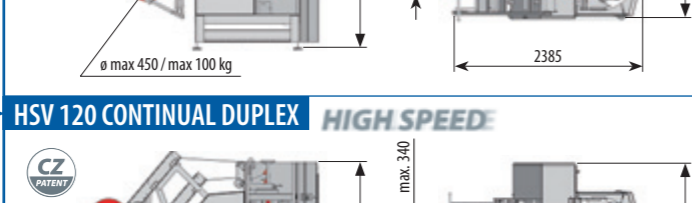


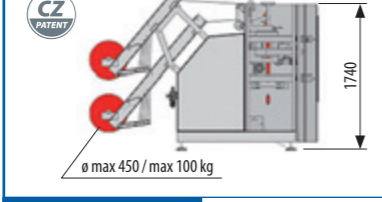
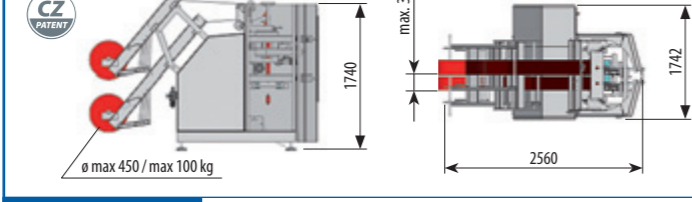
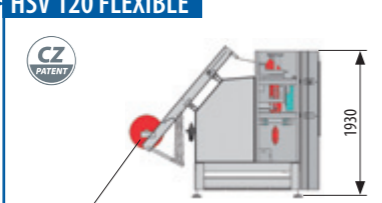
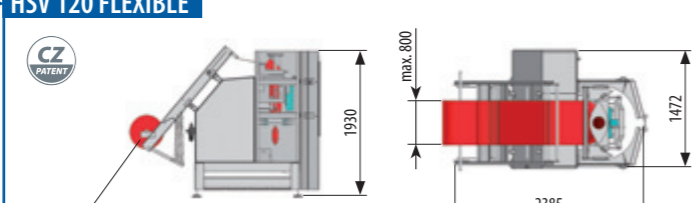


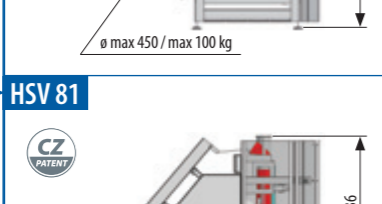
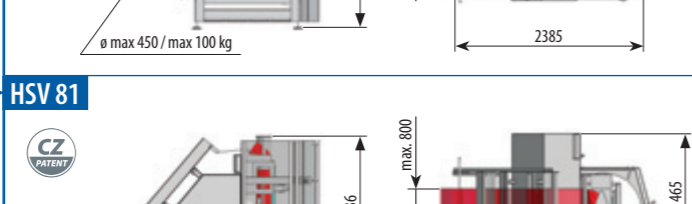
- Robust mechanical construction
- Main functional parts are servo driven
- Maximum width of the cross seal is extended up to 280mm
- Vacuum film feed
- Automatic film centring on the collar
- Controlled by industrial PC Beckhoff CP6201
- Easy controlling through a 12" color touch screen



- Wide possibility of pre-setting and communication
 - Possibility of external communication
 - Export of data about packaging process into customer's PC
 - Selection of programmes from customer's PC
 - Connection with VELTEKO service department
- Self-diagnostics – Video Instruction, Onboard Manuals and Parts List

Bag type	A	A/B	B	C	F	J
Speed (bags/min)	180	150	90	90	90	90

Vertical FFS packaging machines VELTEKO

		Systems of bag reclosing	Type A	Type A/B	Type B	Type C	Type D	Type D/B	Type E	Type F	Type F/B	Type F/E	Type F/P	Type G	Type G/I	Type I	Type J
 HSV 101B CONTINUAL	 HSV 101B FLEXIBLE	 HSV 101B CONTINUAL HIGH SPEED Zipper Label Tape Memory Strip 	Dimensions (mm) width: 57–280 height: 60–(350)* depth: – Max. speed 180 bag/min. <i>* Recommended dimension only</i>	Dimensions (mm) width: 30–240 height: 60–(300)* depth: 0–102 Max. speed 150 bag/min. <i>* Recommended dimension only</i>	Dimensions (mm) width: 30–240 height: 60–(280)* depth: 30–102 Max. speed 90 bag/min. <i>* Recommended dimension only</i>	Dimensions (mm) width: 30–240 height: 60–(280)* depth: 30–102 Max. speed 90 bag/min. <i>* Recommended dimension only</i>	×	×	×	Dimensions (mm) width: 44–180 height: 60–(280)* depth: 42–102 Max. speed 90 bag/min. <i>* Recommended dimension only</i>	×	×	×	Dimensions (mm) width: 60–280 height: 60–280 depth: 0–100 Max. speed 90 bag/min.	×	×	Dimensions (mm) width: 80–250 height: 120–220 depth: 40–80 Max. speed 90 bag/min.
		 HSV 101B FLEXIBLE Zipper Label Tape Memory Strip 	Dimensions (mm) width: 57–280 height: 60–350 depth: – Max. speed 100 bag/min.	Dimensions (mm) width: 30–240 height: 60–300 depth: 0–102 Max. speed 80 bag/min.	Dimensions (mm) width: 30–240 height: 60–280 depth: 30–102 Max. speed 70 bag/min.	Dimensions (mm) width: 30–240 height: 60–280 depth: 30–102 Max. speed 65 bag/min.	Dimensions (mm) width: 30–240 height: 60–280 depth: 30–102 Max. speed 60 bag/min.	×	×	Dimensions (mm) width: 44–180 height: 60–230 depth: 42–102 Max. speed 60 bag/min.* <i>* With Bag closing unit US60</i>	Dimensions (mm) width: 44–180 height: 60–280 depth: 42–102 Max. speed 60 bag/min.	Dimensions (mm) width: 44–180 height: 125–230 depth: 42–102 Max. speed 60 bag/min.* <i>* With Bag closing unit US60</i>	Dimensions (mm) width: 60–300 height: 44–180 depth: 42–102 Max. speed 70 bag/min.	Dimensions (mm) width: 60–280 height: 60–280 depth: 0–100 Max. speed 60 bag/min.	×	Dimensions (mm) width: 30–240 height: 60–280 depth: 30–102 Max. speed 40 bag/min.	Dimensions (mm) width: 80–250 height: 120–220 depth: 40–80 Max. speed 60 bag/min.
 HSV 120 CONTINUAL	 HSV 120 CONTINUAL DUPLEX	 HSV 120 CONTINUAL HIGH SPEED Zipper Label Tape 	Dimensions (mm) width: 57–360 height: 60–490 depth: – Max. speed 180 bag/min.	Dimensions (mm) width: 30–280 height: 60–450 depth: 0–140 Max. speed 90 bag/min.	Dimensions (mm) width: 30–280 height: 60–420 depth: 30–140 Max. speed 90 bag/min.	Dimensions (mm) width: 30–280 height: 60–420 depth: 30–140 Max. speed 90 bag/min.	×	×	×	×	×	×	Dimensions (mm) width: 60–360 height: 60–360 depth: 0–140 Max. speed 90 bag/min.	×	Dimensions (mm) width: 30–280 height: 60–420 depth: 30–140 Max. speed 90 bag/min.	×	
		 HSV 120 CONTINUAL DUPLEX HIGH SPEED Label 	Dimensions (mm) width: 45–152 height: 60–300 depth: – Max. speed 360 bag/min.	×	×	×	×	×	×	×	×	×	×	×	×	×	×
 HSV 120 FLEXIBLE	 HSV 81	 HSV 120 FLEXIBLE Zipper Label Tape 	Dimensions (mm) width: 57–360 height: 60–490 depth: – Max. speed 100 bag/min.	Dimensions (mm) width: 30–280 height: 60–450 depth: 0–140 Max. speed 80 bag/min.	Dimensions (mm) width: 30–280 height: 60–420 depth: 30–140 Max. speed 70 bag/min.	Dimensions (mm) width: 30–280 height: 60–420 depth: 30–140 Max. speed 60 bag/min.	Dimensions (mm) width: 30–280 height: 60–420 depth: 30–140 Max. speed 60 bag/min.	×	×	×	×	×	×	Dimensions (mm) width: 60–360 height: 60–360 depth: 0–140 Max. speed 60 bag/min.	×	Dimensions (mm) width: 30–280 height: 60–420 depth: 30–140 Max. speed 60 bag/min.	×
		 HSV 81 Label 	Dimensions (mm) width: 70–360 height: 60–(490)* depth: – Max. speed 70 bag/min. <i>* Recommended dimension only</i>	Dimensions (mm) width: 40–260 height: 60–(450)* depth: 42–140 Max. speed 70 bag/min. <i>* Recommended dimension only</i>	Dimensions (mm) width: 40–260 height: 60–(420)* depth: 42–140 Max. speed 60 bag/min. <i>* Recommended dimension only</i>	Dimensions (mm) width: 40–260 height: 60–(420)* depth: 42–140 Max. speed 60 bag/min. <i>* Recommended dimension only</i>	Dimensions (mm) width: 40–260 height: 60–(420)* depth: 42–140 Max. speed 60 bag/min. <i>* Recommended dimension only</i>	×	×	Dimensions (mm) width: 40–160 height: 60–(230)* depth: 42–102 Max. speed 30 bag/min. <i>* Recommended dimension only</i>	×	×	×	×	×	×	Dimensions (mm) width: 40–260 height: 60–(420)* depth: 42–140 Max. speed 40 bag/min. <i>* Recommended dimension only</i>
 HSV 52 FLEXIBLE	 HSV 52 ECONOMIC	 HSV 52 FLEXIBLE / HSV 52 ECONOMIC Zipper Label 	Dimensions (mm) width: 152–440 height: 100–600 (950)* depth: – Max. speed 50 bag/min. <i>* Length of bag by "double-step"</i>	Dimensions (mm) width: 102–380 height: 100–510 (900)* depth: 52–140 Max. speed 45 bag/min. <i>* Length of bag by "double-step"</i>	Dimensions (mm) width: 102–380 height: 100–510 (800)* depth: 52–140 Max. speed 40 bag/min. <i>* Length of bag by "double-step"</i>	Dimensions (mm) width: 102–380 height: 100–510 (800)* depth: 52–140 Max. speed 40 bag/min. <i>* Length of bag by "double-step"</i>	Dimensions (mm) width: 102–380 height: 100–510 (800)* depth: 52–140 Max. speed 30 bag/min. <i>* Length of bag by "double-step"</i>	Dimensions (mm) width: 102–380 height: 100–510 (800)* depth: 52–140 Max. speed 30 bag/min. <i>* Length of bag by "double-step"</i>	×	Dimensions (mm) width: 102–380 height: 100–510 (800)* depth: 52–140 Max. speed 40 bag/min. <i>* Length of bag by "double-step"</i>	Dimensions (mm) width: 102–380 height: 100–510 (800)* depth: 52–140 Max. speed 40 bag/min. <i>* Length of bag by "double-step"</i>	×	×	Dimensions (mm) width: 150–300 height: 300–440 depth: 0–100 Max. speed 40 bag/min.	Dimensions (mm) width: 102–380 height: 100–510 (800)* depth: 52–140 Max. speed 30 bag/min. <i>* Length of bag by "double-step"</i>	×	