

VELTEKO line vibratory dosing weigher

The line vibratory dosing weigher, designed for packing of small items, such as one piece or easily poured products, was in 1992 the first completely new product of the then “young” company VELTEKO. The construction solution, combining simple and robust design as well as reasonable size, together with quality of production, i.e. the properties that the VELTEKO line weigher still keeps, set very high standards for the competition. We can say that in the first years of existence of the VELTEKO company the backbone production programme consisted of various types of line dosing weighers which were later replaced by vertical form, fill and seal packing machines.

Now VELTEKO line vibratory dosing weighers are produced in type lines HS352B, HS.22B and HS.42B. The type lines differ particularly in sizes; each one is optimal for the particular group of volumes to be dosed.



VELTEKO dosing weighers are continuously innovated. The last innovation was implemented in 2009. This innovation had to simplify sanitising of the weigher and innovate fundamentally its electric equipment.

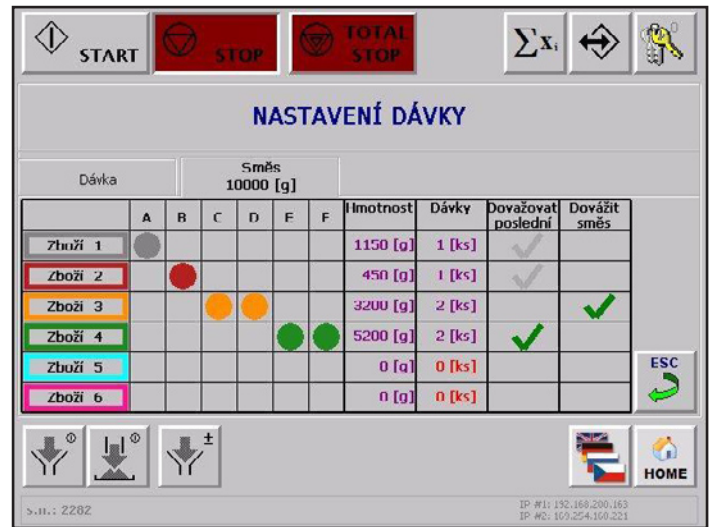
After this innovation, standard equipment of the line weigher is as follows:

- Vibratory pans – removable without use of any tools (except HS352).
- Control via integrated industrial PC.
- Control via colour 6.5" touch screen or using the packaging machine terminal.
- Messages on the screen in Czech, English, German, Polish and Russian.
- Optional control using icons or pushbuttons with description of their functions.
- Individual configuration of control of the weigher customised to the particular equipment and requirements of the customer.
- Help for individual controls.
- 500 memory positions for setting of operating parameters with optional export and backup.
- Optional setting up to 9 access levels for the operators.
- Statistical data accessible on the terminal in standard:
 - Desired weight of one dose;
 - Upper limit;
 - Lower limit;
 - Minimal dose;
 - Maximal dose;
 - Total number of doses from reset;
 - Number of doses under the lower limit;
 - Number of doses above the upper limit;
 - Total weighted weight;
 - Arithmetic average of weights of the doses;
 - Standard deviation;
 - Listing of individual doses.
- Connectivity:
 - 1× DVI-D connector;
 - 2× ETHERNET 10/100/1000;
 - 4× USB 2.0;
 - 1× RS232.
- Various dosing modes incl. production of mixtures.
- Optical sensors of level of the goods in the vibratory pans.

(continues on page 2)

(completion from page 1)

- Optional control of up to six different Velteko weighers (not limited to line weighers only) from one terminal.
- Possibility to control most of additional equipment (e.g. automatic refilling of goods to the hopper, etc.) from the terminal of the weigher.
- Protection of the power switchboard: IP65.
- Export of statistical data incl. their basic visualisation using software keys "Statistical data of the dosing weigher" and "EDPROG" (to be purchased separately). ■



Packing of onion into bags with folded bottom and carrying holes

In 2010 the company ULTRAMATIC (representative of VELTEKO in Switzerland) was asked by a potential customer that is engaged in packing of vegetable, to provide automatic packing of pieced onion. The particular requirement of the customer was to create 1000 g and 2500 g doses of onion with the output of 20 to 40 packs per minute, in bags with folded bottom and carrying holes, whilst the bags should be made of a combined packing material, i.e. provided with PE foils on their front and rear and a PE nets on their sides.



ULTRAMATIC proposed to the customer a project of a packing line that included use of a line multihead weigher and a vertical FFS packing machine. VELTEKO then prepared an offer for a packing machine for this project.

We proposed a solution based on use of a vertical FFS packaging machine VELTEKO HSV81 that is in standard produced of stainless steel materials, its external surfaces are smooth and can be easily cleaned, thus is very suitable for the particular purpose. The basic technical parameters of the machine (output rate, dimensions and shapes of bags) satisfied fully the requirements. We have only adapted the machine to specific properties of the combined packing material and particular technical requirements of the customer, e.g. upon the customer's request the machine was equipped with special welding jaws fulfilling requirements for the design and arrangement of welds on the bags.

The customer ordered a complete packing line that was installed in his premises and put into operation in August 2010.

Besides the mentioned packing of onion, this application can also be used for packing of potatoes.



In case you are interested in this or any similar application, please contact the Commercial Department of VELTEKO. ■