

<i>Date:</i>	
<i>Order's number:</i>	
<i>Subject:</i>	Seeds packing automatic machine

Контакти			
<i>Company name</i>			
<i>Address</i>			
<i>Contact person client</i>		<i>tel.</i>	
		<i>email</i>	
<i>Contact person</i>		<i>tel.</i>	
		<i>email</i>	

Thank you for choosing Technowagy Ltd company.

Research and Production Enterprise "██████████" was founded in 2002, in 2011. It built its own modern new plant in █████, thus increasing production area up to 7000 sq.m., which allows to apply modern production technologies, significantly increase production capacity. Having a staff of highly qualified engineers, designers, programmers (which makes up one fourth of the entire team), the company provides a combination of high quality products and optimal prices.

Weighing and dosing equipment produced by "██████████" is exported to Germany, Poland, Lithuania, Latvia, Slovakia, Romania and Moldova, Kazakhstan, Georgia, Belarus, Azerbaijan, etc.

The company has all necessary certificates for products and licenses for construction and installation work, manufacturing of scales in explosion-proof design, received Certificate of Conformity of Quality Management System to DSTU ISO 9001:2015 requirements, and CE certificates for dosing and packaging machines.



We offer to your attention the automatic machine for packing of seeds of vegetable and flower crops (and also other loose or small pieces of products of agricultural, food and other industries) in paper bags. The principle of operation of the automatic machine is as follows: empty packages from a cartridge are delivered on a position of loading by a ready dose of a product and further one after another consistently pass the following way: glue drawing on the valve of a package - bending and pasting of the valve - duplication of pasting and drawing on the valve of the necessary information (for example, term of realization) - calculation and giving on an exit tray.

The machine is available with volumetric, weighing or combined weighing and counting dispensers.

The machine can work with bags without bending valves (but there must be an edge for opening the bag) according to the principle of sealing the inner layer with applied polyethylene. To do this, simply cut off the adhesive supply, remove the adhesive head and load the empty bags into the cassette.

Technical Information:

Productiveness in weighing or counting dosing mode (dosage/min.),	
equipped with 4-flow dosing mechanism	20-30*
equipped with 5-flow dosing mechanism	30-40*
equipped with 6-flow dosing mechanism	40-42*
weighing hopper capacity standard, cubic centimeters	53
weighing accuracy with weighing hopper capacity standard, g	0.01
Package size: width, mm	76 - 115
height, mm	130 - 165
Voltage, V	220/380
Engine power, kW	0,75
Average power consumption, kW / h	1,5
Dimensions of machine:(length, width, height), mm	1460*930*1650
Mass, kg	550-950

* Dosage (as well as accuracy) depends on seed type, dose and settings.

* but not more than the volume of the product than the volume of the weigh hopper

Dosing type	Dosing conditions	Dosing, g
Weighing	the dose is programmable from the remote,	
	the dose weighing readability is 0,01 g with weighing using hopper capacity standard	0,2-20*

Dosing possibility from 0.1 grams is available. When vibration is transmitted from the floor to the machine, a weighing error could be from 10%. Industrial floor is recommended in operate.

* when using an increased capacity dosing unit! Depends on the dosing product.

* but not more than the volume of the product than the volume of weight hopper

Seeds dry, well flowing, not sticky, with a maximum seed size of no more than 10 mm should flow well through an opening with a cross section:

- 44mm x 15mm for a bag width of 115mm;
- 15mm x 28mm for a bag width of 80mm;

The machines are equipped with a high-quality control system, which consists of the best components from Europe and is based on PLC Siemens, controlled using a touch-screen installed on the front of the control panel. From this display, you can monitor and configure the operation of the machine. Load cells by Flintec (Germany), pneumatic by Festo (Germany), optical sensors by Omron (Japan) are used for production.

Compressed air is required for operation.

For packing only large size seeds - from 3 mm to 25 mm (beans, beans, beets, corn, sunflower seeds) in paper bags, glued or hermetically sealed, we offer a special modification:

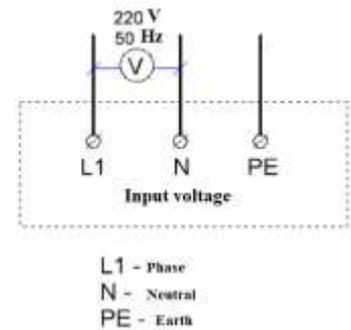
Compressed air is required for operation.

Air consumption, l/min – 35*

* average value

Dosing product have to be seeds, dry, well-flowing, not sticky.
Power supply requirements

1 phase, 220 V between phase and neutral, 50 Hertz electricity network frequency, in accordance with the wiring diagram



Packaging requirements

paper thickness:

- for small bags – not less than 100 g/m²
- for big bags – not less than 115 g/m²

Bag valve sealing could be in 2 ways

by gluing*

*glue drawing on the valve of a package



By heat sealing*

*hot press

in this case material of packets has to be laminated paper or heat-weldable film with a layer of polyethylene



While ordering your seeds packing machine you can choose different **glue system**:
- glue blocks with a large number of glue holes, the amount of glue is regulated by pressure and valve opening time

Glue consumption is adjustable from 0 g to several grams per bag. The flow rate depends on bag width, paper quality, and product dose size. It is set by the operator during setup.

Additional possibilities of Seeds packing automatic machine such as:

- discharge conveyor for finished packaged products with grouping function;
- possibility of a combined dosing mode to dose increasing;
- easy adjustment to work with other package sizes;
- cover with safety sensors is installed for safe operation;
- easy switch of dosing mode - counting, weight dosing, combined.

Model		Price, EURO*
with weighing dosing mechanism	4-flow	43 360
	5-flow	46 990
	6-flow	46 020
with counting dosing mechanism	4-flow	50 620
	5-flow	48 320
	6-flow	52 555
with combined weighing and counting dosing mechanism	4-flow	57 880
	5-flow	65 745
	6-flow	71 435
* net prices		
* shipping, Starting-up, and adjustment is not included in the price.		

Additional equipment	Price, EURO*
Data printing tool	700
Inkjet Integrated Printer	4 600
Protective casing of the machine with safety sensors	2 300
Discharge conveyor for finished packaged products	2 500
Loading flask (1pcs 15l in volume)	110 per item

* net prices

* shipping, Starting-up, and adjustment is not included in the price

Delivery conditions and pre-commissioning work: are subject to additional agreement.

Warranty period of operation – 12 months.

Completion time – up to 4 months.