

VERTICAL PACKING

AUTOMATIC VERTICAL PACKING MACHINE AF-120

The automatic vertical packing machine AF-120 is designed for setting up a continuous cycle of packing the pre-weighed free flowing, liquid and paste-like food or inedible products (sugar, salt, pepper, coffee, honey, mayonnaise, ketchup etc.) into 3-seam packs shaped as "stick". The automatic vertical packing machine is a versatile unit that can be used as a standalone system for packing products or as a component of weighing and packing lines with various types of measuring devices (volumetric liquid, volumetric screw, volumetric band, volumetric pendulum, piece, linear weighing).



TECHNICAL CHARACTERISTICS

Power supply, V/Hz	380/50
Installed capacity, kW	1,5
Compressed air supply, atm /L min	350
Dimensions H/W/L (no more than), mm	1450/1200/1100
Weight (no more than), kg	300
Film width (min...max), mm	40...350
Film roll diameter (outer × inner), mm	300 × 76
Film thickness, μm	20-90
Packing material	PP, PET, PP+PE, PE+PET, LAMINATED PAPER
Pack sizes H/W (min...max), mm	30...300 / 17...40
Output (kinetic), pack/hour	1800-7200

STANDARD MODULES

- film unwinding module with a function of automatic underwinding;
- package formers of "tubule with collar" type (for 1 size);
- cutter for cutting films into streams;
- welding module for vertical and horizontal seams of packages;
- module for serrated cutting of packages;
- film end detector and a sensor of eyespot;
- module for operation with a film without eyespots.

AUTOMATIC VERTICAL PACKING MACHINE AF-35

The automatic vertical packing machine AF-35 is designed for setting up a continuous cycle of packing the pre-weighed free or poor flowing food and inedible products (cereals, macaroni, snacks, tea, coffee, corn, nuts, sweets, chips, corn curls, frozen foods etc.) into 3-seam packs shaped as "pillow".

The automatic vertical packing machine is a versatile unit that can be used as a standalone system for packing products or as a component of weighing and packing lines with various types of measuring devices (volumetric liquid, volumetric screw, volumetric turntable, piece, linear weighing, multiple-purpose weighing).



TECHNICAL CHARACTERISTICS

Power supply, V/Hz	380/50
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Installed capacity, kW	1,5
Compressed air supply, atm /L min	350
Dimensions H/W/L (no more than), mm	1650/1200/1100
Weight (no more than), kg	400
Film width (min...max), mm	100...380
Film roll diameter (outer × inner), mm	300 × 76
Film thickness, µm	20-110
Packing material	PP, PET, PP+PE, PE+PET
Pack sizes H/W (min...max), mm	50...300 / 50...190
Output (kinetic), pack/hour	2100

STANDARD MODULES

- film unwinding module with a function of automatic underwinding;
- package former of "tubule with collar" type (for 1 size);
- welding module for vertical and horizontal seams of packages;
- module for serrated cutting of packages;
- thermal dater for printing on a horizontal seam (6 digits);
- pack punching module;
- film end detectors and a sensor of eyespot;
- module for operation with a film without eyespots.

OPTIONAL MODULES

- package former of "tubule with collar" type (for 1 size);
- thermal printer (6 and more characters);
- standing pack forming module;
- pulse module for making cuts in pack seams ("Euroslot");
- module for pack notching (for easy opening of packs);
- protective enclosure.

AUTOMATIC VERTICAL PACKING MACHINE AF-45

The automatic vertical packing machine AF-45 is designed for setting up a continuous cycle of packing the pre-weighed free or poor flowing food and inedible products (cereals, macaroni, snacks, tea, coffee, corn, nuts, sweets, chips, corn curls, frozen foods etc.) into 3-seam packs shaped as "pillow".

The automatic vertical packing machine is a versatile unit that can be used as a standalone system for packing products or as a component of weighing and packing lines with various types of measuring devices (volumetric liquid, volumetric screw, volumetric turntable, piece, linear weighing, multiple-purpose weighing).



TECHNICAL CHARACTERISTICS

Power supply, V/Hz	380/50
Installed capacity, kW	2,5
Compressed air supply, atm /L min	not applied
Dimensions H/W/L (no more than), mm	1450/1200/1100
Weight (no more than), kg	450
Film width (min...max), mm	100...380
Film roll diameter (outer × inner), mm	300 × 76
Film thickness, µm	20-110
Packing material	PP, PET, PP+PE, PE+PET
Pack sizes H/W (min...max), mm	50...300 / 42,5...190
Output (kinetic), pack/hour	2700

STANDARD MODULES

- film unwinding module with a function of automatic underwinding;

- package former of "tubule with collar" type (for 1 size);
- welding module for vertical and horizontal seams of packages;
- module for serrated cutting of packages;
- thermal dater for printing on a horizontal seam (6 digits);
- pack punching module;
- film end detectors and a sensor of eyespot.

AUTOMATIC VERTICAL PACKING MACHINE AF-50



The automatic vertical packing machine AF-50 is designed for setting up a continuous cycle of packing the pre-weighed free or poor flowing food and inedible products (cereals, macaroni, snacks, tea, coffee, corn, nuts, sweets, chips, corn curls, frozen foods etc.) into 3-seam packs shaped as "pillow".

The automatic vertical packing machine is a versatile unit that can be used as a standalone system for packing products or as a component of weighing and packing lines with various types of measuring devices (**volumetric liquid, volumetric screw, volumetric turntable, piece, linear weighing, multiple-purpose weighing**).

TECHNICAL CHARACTERISTICS

Power supply, V/Hz	380/50
Installed capacity, kW	2,5
Compressed air supply, atm /L min	450
Dimensions H/W/L (no more than), mm	1650/1200/1100
Weight (no more than), kg	500
Film width (min...max), mm	100...500
Film roll diameter (outer × inner), mm	400 × 76
Film thickness, μm	20-110
Packing material	PP, PET, PP+PE, PE+PET
Pack sizes H/W (min...max), mm	50...400 / 50...240
Output (kinetic), pack/hour	3000

STANDARD MODULES

- film unwinding module with a function of automatic underwinding;
- package former of "tubule with collar" type (for 1 size);
- welding module for vertical and horizontal seams of packages;
- module for serrated cutting of packages;
- thermal dater for printing on a horizontal seam (6 digits);
- pack punching module;
- film end detectors and a sensor of eyespot.

AUTOMATIC VERTICAL PACKING MACHINE AF-50 (6)

The automatic vertical packing machine AF-50 (6) is designed for setting up a continuous cycle of packing the pre-weighed free or poor flowing food and inedible products (cereals, macaroni, snacks, tea, coffee, corn, nuts, sweets, chips, corn curls, frozen foods etc.) into 3-seam packs (bags) shaped as "pillow".

The automatic vertical packing machine is a versatile unit that can be used as a standalone system for packing products or as a component of weighing and packing lines with various types of measuring devices (**volumetric liquid, volumetric screw, volumetric turntable, piece,**



linear weighing, multiple-purpose weighing).

TECHNICAL CHARACTERISTICS

Power supply, V/Hz	380/50
Installed capacity, kW	4,5
Compressed air supply, atm /L min	550
Dimensions H/W/L (no more than), mm	3650/1200/1600
Weight (no more than), kg	850
Film width (min...max), mm	300...1050
Film roll diameter (outer × inner), mm	400 × 76
Film thickness, μm	20-150
Packing material	PP, PET, PP+PE, PE+PET
Pack sizes H/W (min...max), mm	200...800 / 120...500
Output (kinetic), pack/hour	400

STANDARD MODULES

- film unwinding module with a function of automatic underwinding;
- package former of "tubule with collar" type (for 1 size);
- welding module for vertical and horizontal seams of packages;
- package seam cooling module;
- cutter for straight cutting of packages;
- pack punching module;
- film end detectors and a sensor of eyespot.

AUTOMATIC VERTICAL PACKING MACHINE AF-50 (10)



The automatic vertical packing machine AF-50 (10) is designed for setting up a continuous cycle of packing the pre-weighed free or poor flowing food and inedible products (cereals, macaroni, snacks, tea, coffee, corn, nuts, sweets, chips, corn curls, frozen foods etc.) into 3-seam packs (bags) shaped as "pillow".

The automatic vertical packing machine is a versatile unit that can be used as a standalone system for packing products or as a component of weighing and packing lines with various types of measuring devices (volumetric liquid, volumetric screw, volumetric turntable, piece, linear weighing, multiple-purpose weighing).

TECHNICAL CHARACTERISTICS

Power supply, V/Hz	380/50
Installed capacity, kW	4
Compressed air supply, atm /L min	500
Dimensions H/W/L (no more than), mm	3000/1200/1200
Weight (no more than), kg	650
Film width (min...max), mm	250...850
Film roll diameter (outer × inner), mm	400 × 76
Film thickness, μm	20-150
Packing material	PP, PET, PP+PE, PE+PET
Pack sizes H/W (min...max), mm	100...500 / 120...400
Output (kinetic), pack/hour	500

STANDARD MODULES

- film unwinding module with a function of automatic underwinding;
- package former of "tubule with collar" type (for 1 size);
- welding module for vertical and horizontal seams of packages;
- package seam cooling module;
- cutter for straight cutting of packages;
- thermal dater for printing on a horizontal seam (6 digits);
- pack punching module;

- film end detectors and a sensor of eyespot.

HORIZONTAL PACKING

AUTOMATIC HORIZONTAL PACKING MACHINE AF-35 (30-SG)

The automatic horizontal packing machine AF-35 (30-SG) is designed for setting up a continuous cycle of packing the pre-weighed free flowing, liquid and paste-like food and inedible products (sugar, salt, pepper, coffee, spices, honey, drugs, mayonnaise, ketchup, shampoo and others) into 3- or 4-seam packs shaped as "sachet".



The automatic horizontal packing machine is a versatile unit that can be used as a standalone system for packing products or as a component of weighing and packing lines with various types of measuring devices (volumetric liquid, volumetric screw, volumetric turntable, volumetric band, volumetric pendulum, linear weighing).

TECHNICAL CHARACTERISTICS

Power supply, V/Hz	380/50
Installed capacity, kW	2
Compressed air supply, atm /L min	450
Dimensions H/W/L (no more than), mm	1250/1100/4000
Weight (no more than), kg	450
Film width (min...max), mm	100...300
Film roll diameter (outer × inner), mm	300 × 76
Film thickness, μm	20-110
Packing material	PP, PET, PP+PE, PE+PET, LAMINATED PAPER
Pack sizes H/W (min...max), mm	50...150 / 50...150
Output (kinetic), pack/hour	2100

STANDARD MODULES

- film unwinding module with a function of automatic underwinding;
- "triangle" package former;
- welding module for vertical and horizontal seams of packages;
- cutter for straight cutting of packages;
- thermal dater for printing on a seam (6 digits);
- film end detectors and a sensor of eyespot;

OPTIONAL MODULES

- thermal printer (6 and more characters);
- mechanical module for making cuts in pack seams ("Euroslot");
- module for pack notching (for easy opening of packs);
- protective enclosure.

AUTOMATIC HORIZONTAL PACKING MACHINE AF-35 (ADP1)



The automatic horizontal packing machine AF-35 (ADP1) is designed for setting up a continuous cycle of packing the pre-weighed free flowing, liquid and paste-like food and inedible products (coffee, cereals, seeds, snacks, mayonnaise, ketchup and others) into "doypacks".

The automatic horizontal packing machine is a versatile unit that can be used as a standalone system for packing products or as a component of weighing and packing lines with various types of measuring devices (volumetric liquid, volumetric screw, volumetric turntable, linear weighing).

TECHNICAL CHARACTERISTICS

Power supply, V/Hz	380/50
Installed capacity, kW	2,5
Compressed air supply, atm /L min	550
Dimensions H/W/L (no more than), mm	1400/1200/4900
Weight (no more than), kg	650
Film width (min...max), mm	250...720
Film roll diameter (outer × inner), mm	400 × 76
Film thickness, μm	40-150
Packing material	PP+PE, PE+PET, LAMINATED PAPER
Pack sizes H/W (min...max), mm	120...300 / 80...250
Output (kinetic), pack/hour	1800

STANDARD MODULES

- film unwinding module with a function of automatic underwinding;
- "triangle" package former;
- welding module for vertical and horizontal seams of packages;
- cutter for straight cutting of packages;
- accumulator of empty packs;
- film end detectors and a sensor of eyespot.

OPTIONAL MODULES

- thermal printer (6 and more characters);
- mechanical module for making cuts in pack seams ("Eurosot");
- module for pack side notching (for easy opening of packs);
- module for welding of "zip-locks" (it is applied only for fabrication of packs);
- protective enclosure.

METERING

LINEAR WEIGHING DOSER VD-1-4

The linear weighing doser VD-1-4 is designed for precise metering of free flowing products. The weighing doser is a versatile unit that can be used as a standalone system for metering various products into finished containers and packages or as a component of weighing and packing lines with various types of automatic packing machines.



TECHNICAL CHARACTERISTICS

Power supply, V/Hz	220/50
Installed capacity, kW	0,5-1,5
Compressed air supply, atm /L min	150 (if buckets are operated with the use of pneumatic drives)
Dimensions H/W/L (no more than), mm	1200/1600/1100
Weight (no more than), kg	250
Output (kinetic), dose/hour	600-3000 (subject to the composition of complete plant)
Weighing range, g	20- 50 000 (subject to the composition of complete plant)
Volume of collecting bin, L	60-240 (subject to the composition of complete plant)

STANDARD MODULES

- collecting bin with regulated gates;
- linear 1-4-stream single-level (subject to the composition of complete plant) vibrating feeder;
- weighing bucket, 1-4 pcs. (subject to the composition of complete plant);
- receiving bin (for product discharging);
- electronic control unit, 1-4 positions (subject to the composition of complete plant);
- control system designed for 15 operating modes (for various products).

OPTIONAL MODULES

- 2nd level of the linear vibrating feeder (for poor-flowing products);
- product shutoff device for vibrating feeders (for precise metering of free-flowing products).

VOLUMETRIC SCREW DOSER SHD-20



The volumetric screw doser SHD-20 is designed for metering of free flowing dust-producing products (starch, flour, pepper and others) except products with coarse fractions (cereals, macaroni, tea, coffee beans, nuts etc.) by the volumetric method.

The volumetric doser is a versatile unit that can be used as a standalone system for metering various products into finished containers and packages or as a component of weighing and packing lines with various types of automatic packing machines.

TECHNICAL CHARACTERISTICS

Power supply, V/Hz	380/50
Installed capacity, kW	1,5
Compressed air supply, atm /L min	150 (if the valve is operated with the use of a pneumatic drive)
Dimensions H/W/L (no more than), mm	1100/600/800
Weight (no more than), kg	150
Output (kinetic), dose/hour	1500
Weighing range, cm ³	50- 2000
Volume of collecting bin, L	60

STANDARD MODULES

- cone-shaped collecting bin;
- vertical volumetric screw feeder (a screw);
- screw valve (for precise dose discharging);
- electronic control unit;

CONVEYERS AND AUXILIARIES

LOADING BUCKET CONVEYER ZT-1

The loading bucket conveyor ZT-1 belongs to conveyor equipment and is designed for transportation (feeding) free-flowing products into collecting bins of metering units with the use of buckets installed on the conveyor band..



TECHNICAL CHARACTERISTICS

Power supply, V/Hz	380/50
Installed capacity, kW	0,5
Compressed air supply, atm /L min	not applied
Dimensions H/W/L (no more than), mm	3500/800/1800 (5000/1200/2500)
Weight (no more than), kg	180 (300)
Output (kinetic), L/h	6000
Volume of collecting bin, L	100

LOADING SCREW CONVEYER ZTSH-1

The loading screw conveyor ZTSH-1 belongs to conveyor equipment and is designed for transportation (feeding) free-flowing dust-producing food and inedible products into collecting bins of metering units with the use of the inclined screw.



TECHNICAL CHARACTERISTICS

Power supply, V/Hz	380/50
Installed capacity, kW	0,5
Compressed air supply, atm /L min	not applied
Dimensions H/W/L (no more than), mm	3300/800/1800
Weight (no more than), kg	150
Output (kinetic), L/h	6000
Volume of collecting bin, L	100

OUTLET BAND CONVEYER OT-1



The outlet screw conveyor OT-1 belongs to conveyor equipment and is designed for removal of finished packages with products from vertical or horizontal packing machines.

TECHNICAL CHARACTERISTICS

Power supply, V/Hz	380/50
Installed capacity, kW	0,3
Compressed air supply, atm /L min	not applied
Dimensions H/W/L (no more than), mm	1000/600/1800
Weight (no more than), kg	150
Output (kinetic), pack/hour	5000

ACCUMULATING ROTARY TABLE SN-1

The accumulating table SN-1 is designed for accumulation of products, packages with products before further group packaging or warehousing.

The accumulating table is a versatile mechanism for accumulation of products. It is used as a standalone system or as a component of automatic weighing and packing lines.



TECHNICAL CHARACTERISTICS

Power supply, V/Hz	380/50
Installed capacity, kW	0,3
Compressed air supply, atm /L min	not applied
Dimensions H/W/L (no more than), mm	1000/600/1800
Weight (no more than), kg	150
Output (kinetic), pack/hour	5000

STANDARD MODULES

- accumulating disk;
- control unit.