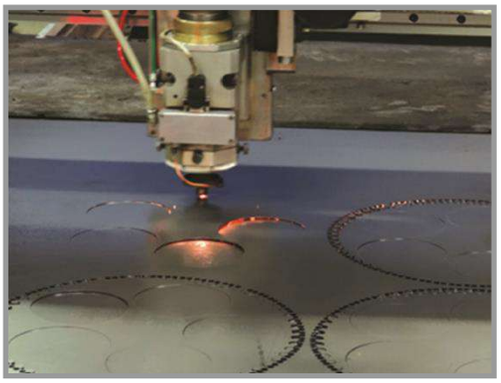
OUR COMPANY

JASKO JSC is the leading Russian manufacturer and distributor of equipment for various industrial and agricultural applications. Our company has been successfully operating on the market since 1992. JASKO has over a hundred partners and customers including small, medium and large business enterprises in Russia, EurAsEC and Europe.



In 2015 the Ministry of Industry and Trade of the Russian Federation added JASKO JSC on the list of import- substituting productions. The import substitution policy laid the foundations and became the priority of our development strategy. Within the framework of the adopted strategy JASKO JSC is now supplying production companies with the process equipment of Russian design which is on par with the best European examples. Our equipment is the award winner of the All-Russian contest "100 Best Goods of Russia".

We currently offer a wide range of industrial equipment and processing lines, carry out project design works, perform start- up and commissioning operations, provide maintenance and post- warranty services.

JASKO JSC is the owner of the trademarks JASKO, ЖАСКО (JASKO), EXTRUTEC, ПАРОМЕТ (PAROMET), BRONTO, ПНЕВМОСИЛА (PNEVMOSILA) and holds several patents, among which are "Briquetting Method and Briquetting Machine", "Peanut Shelling Machine", "Weight Dosing Equipment for Bulk Materials" and other.

Our company's effective management policy ensures increasing production volumes from year to year. JASKO's team of professionals is qualified to implement projects of any level of complexity.

Over 30 years of experience and thousands of successful projects prove that JASKO is a reliable partner for your business. We look forward with confidence to the future and make new ambitious plans, which include modernization of our production facilities, new engineering developments, further implementation of import substitution policy, expanding the geography of our supplies and increasing the range of services.

CONTENTS

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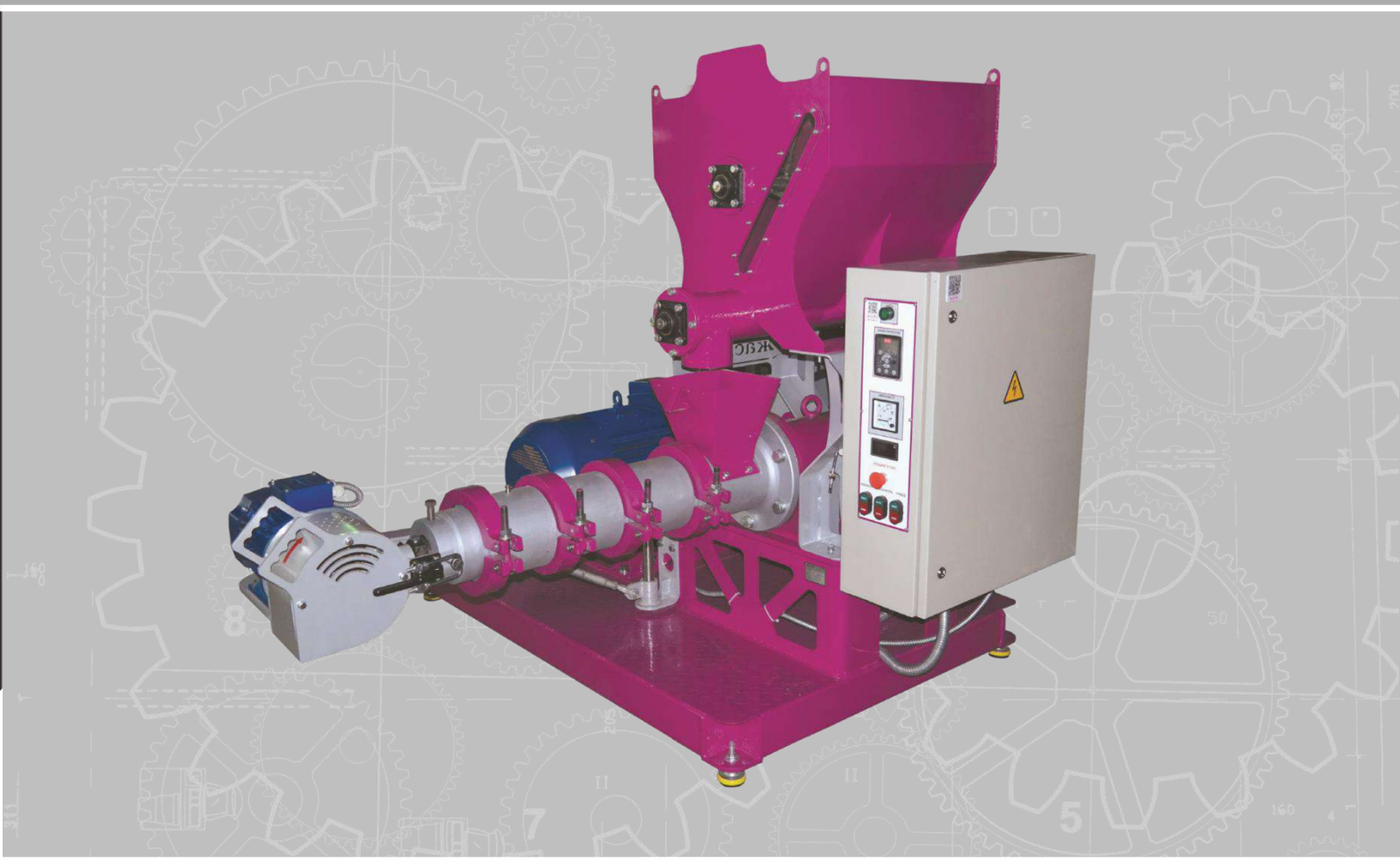
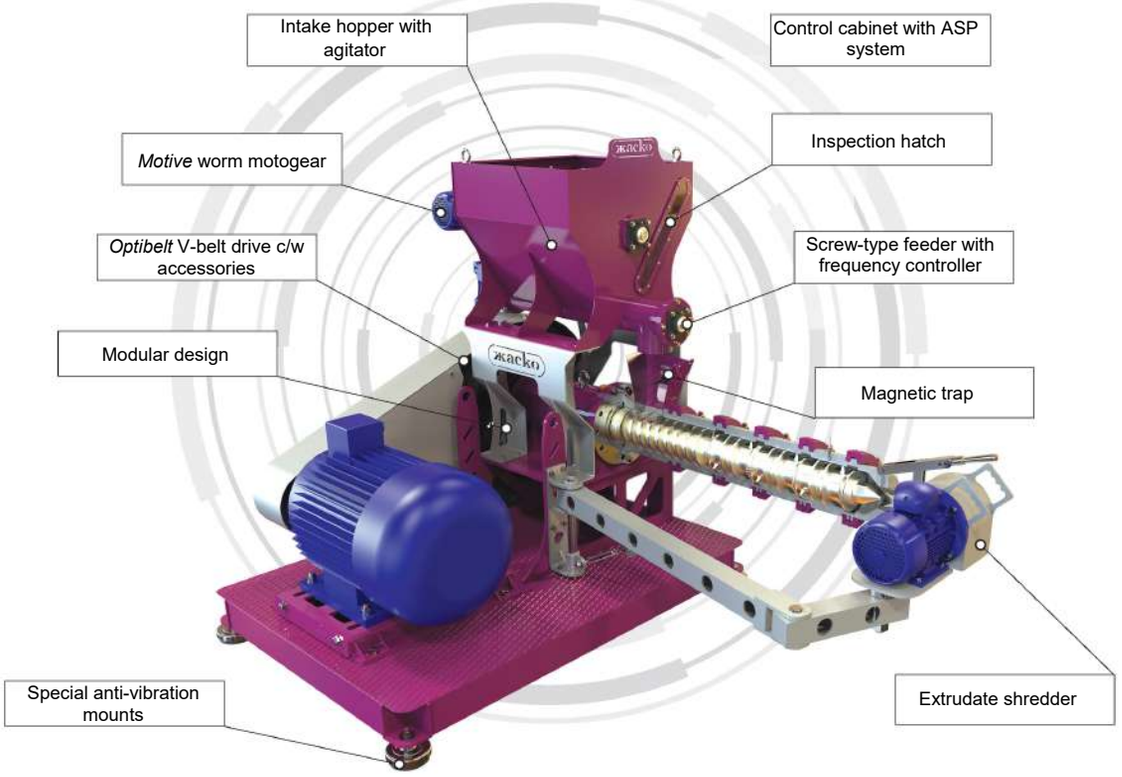


FODDER EXTRUSION LINES

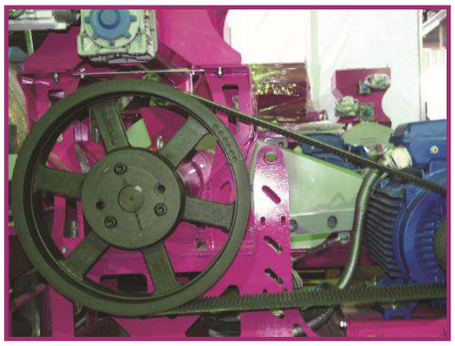
JASKO fodder extruders produce high–efficiency fodder from:

- grain crops (wheat, barley, corn, etc.);
- legumes and oil crops (soybeans, lupine, peas, etc.);
- various grain mixtures, including grain and straw (club- rush) mixtures;
- meat, poultry and fish waste products mixed with vegetable matter;
- humid long- kept grain with distinct ammonia smell.

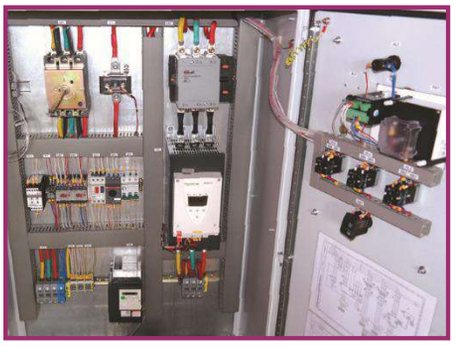
PE FODDER EXTRUDERS



PE extruders can be adjusted for any kind of raw material. In 90% of cases we can make all necessary adjustments with the accessories available in the equipment set. In other 10% of cases we are capable to custom make and adapt the design for your application!



Optibelt V- belt drive with accessories



Control cabinet with frequency changer

Special wear- resistant reinforcing of screw feeders and milling bowls

The fodder produced by extrusion is ready–to–consume. It has a number of significant advantages compared to traditional fodder, among which are the following:

- high nutrient availability;
- sterility – highly important for feeding of young animals;
- high absorption properties which means neutralization of intestinal infections and disorders;
- good palatability which stimulates appetite allowing to admix lower quality fodder;
- high gain meaning shorter periods are necessary for livestock fattening;
- reduced fodder consumption by weight;
- low moisture content meaning that fodder can be stored for up to 6 months without quality deterioration

MAIN UNITS AND KEY FEATURES

Marking:

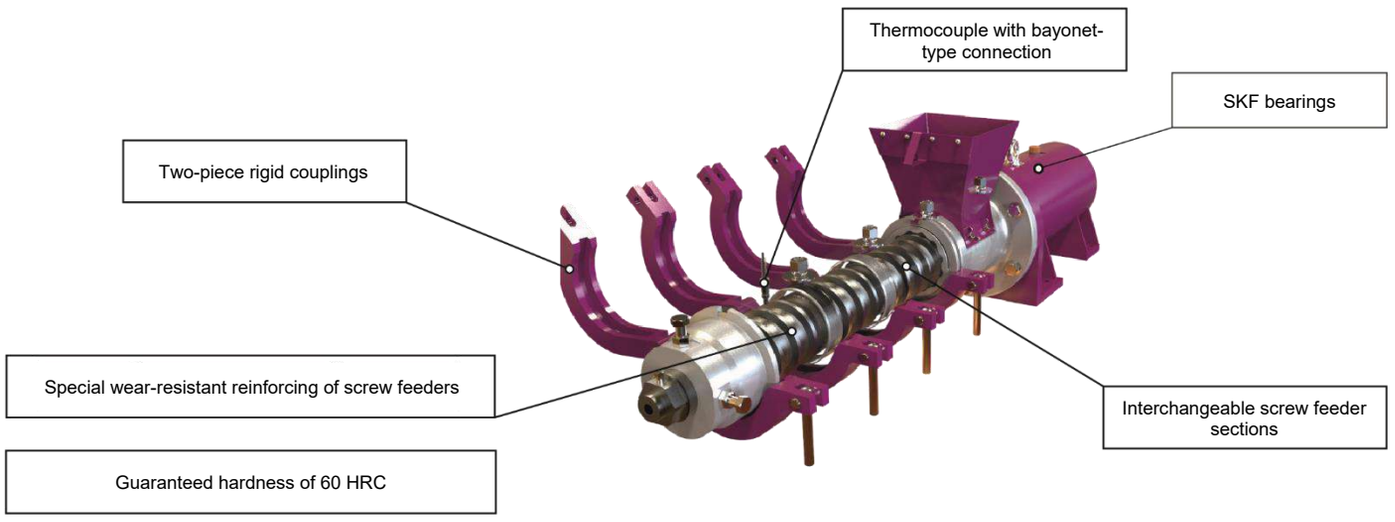
[PE]–[XXXX]–[XX] [X–XX]

- Name: Extruder
- First three symbols indicate motor power
- Last symbol – O.
- Purpose:
  - * without special marking – grain
  - * without special marking – vibrating feeder
  - S – soybean
  - U – universal
- Options: K – steam conditioner
  - BP – side feed
  - SH – screw feeder

Marking example:

PE-900USHK

- Extruder
- Power: 90 kW
- Universal
- Screw feeder
- With steam conditioner

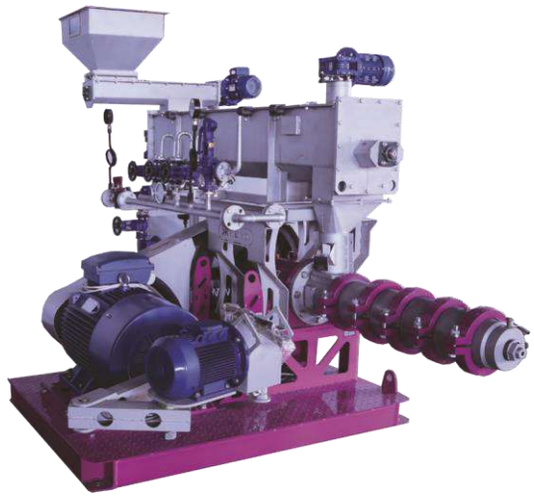


THE EXTRUDER IS COMPLETE WITH:

- a set of milling bowls and dies which allow to adjust the equipment to a wide range of raw materials;
- a special device for disassembly of the extruder barrel.

JASKO JSC IS ON THE OFFICIAL LIST OF IMPORT–SUBSTITUTING PRODUCTIONS PUBLISHED BY THE MINISTRY OF INDUSTRY AND TRADE OF THE RUSSIAN FEDERATION.

PE–900 AND PE–1100 EXTRUDERS WITH STEAM CONDITIONERS



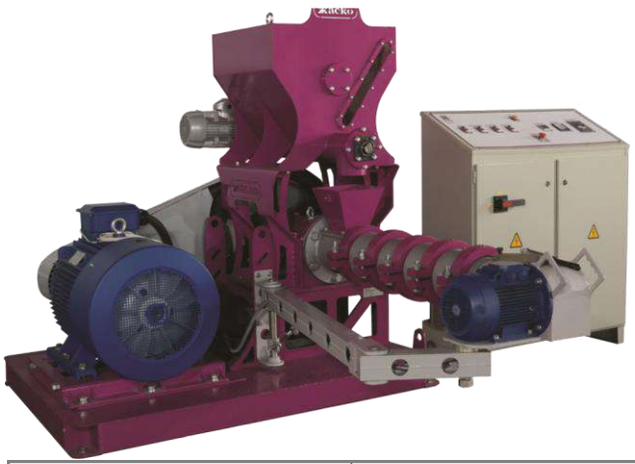
DESIGN FEATURES:

- Extruders are equipped with steam conditioners for warming up and softening of raw materials with steam;
- Using steam in the extrusion process enables to increase productivity, reduce energy consumption and wear of the parts inside the extruder barrel.

SPECIFICATIONS

Model	ПЭ- 900УШК, ПЭ- 900СШК	ПЭ- 1100УК, ПЭ- 1100СК
Capacity, kg/hr	1300- 1800	1500- 2100
Installed motor power, kW	97	117
Steam pressure, MPa	0.3- 0.6	
Steam flow rate, kg/hr	от 60 до 150	
Dimensions, mm	2800x2560x2550	2800x2560x2550
Weight, kg	2500	2600

PE–750, PE–900, PE–1100 EXTRUDERS



DESIGN FEATURES:

- Intake hoppers have screw feeders to ensure uniform feed of processed material. If necessary, the hopper can be equipped with an agitator to exclude doming of non- free-running materials.

SPECIFICATIONS

Model	750	900	1100
Capacity, kg/hr	650- 850	900- 1300	1200- 1500
Installed motor power, kW	78	92.6	113.37
Process temperature, °C	110- 170	110- 170	110- 170
Dimensions, mm	2010x2200x1800 + a control cabinet 1110x430x1310	2800x2290x1985 + a control cabinet 1110x430x1310	2800x2290x1985 + a control cabinet 1110x430x1310
Weight, kg	1560	2140	2250

JASKO fodder extruders are reliable in operation, require low maintenance and have a short payback period.

Feeding livestock with extruded fodder allows to:

- increase availability of nutrients by 20- 40% and energy value;
- reduce fodder consumption by 8- 12% due to shorter fattening periods;
- ensure higher productivity: increased milk yield by 18- 40%, egg yield – by 20- 25%;
- increase quality of milk and meat;
- ensure balanced diet of livestock.

PE–550USH EXTRUDER

PE–550–01–BP EXTRUDER

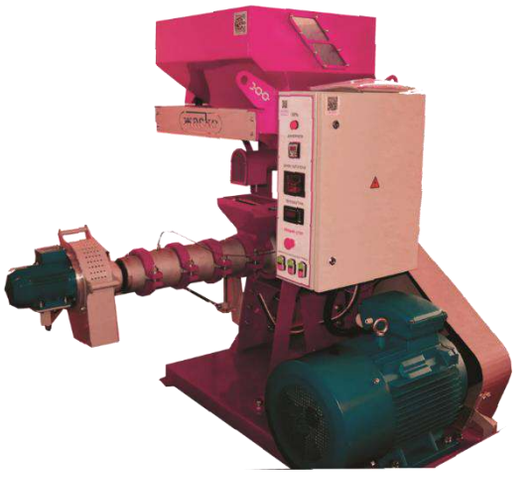
DESIGN FEATURES:

- Intake hopper of the PE- 550- USH extruder has a screw feeder to ensure uniform feed of processed material. If necessary, the hopper can be equipped with an agitator to exclude doming of non- free- running materials.
- The PE- 550- 01- BP extruder is specifically designed for non- free- running materials with small bulk weight, such as tannery waste, mixtures containing straw, wet raw materials and various complex mixtures. This model is also perfect for grain processing. Special feature of this extruder is side feed of raw material from the hopper into the barrel.

SPECIFICATIONS

Model	PE- 550USH	PE- 550- 01- BP
Capacity, kg/hr	450- 650	max 650
Installed motor power, kW	57.22	57.22
Process temperature, °C	110- 170	110- 170
Dimensions, mm	2010x2650x1760	3220x1660x1760
Weight, kg	1510	1510

PE–450USH, PE–370USH, PE–300U EXTRUDERS



DESIGN FEATURES:

- Intake hoppers of the PE- 450- USH and PE- 370USH extruders are equipped with screw feeder to ensure uniform feed of non- free- running materials, including the materials which tend to stick, such as meat and bone waste;
- The intake hopper of PE- 300U is equipped with a vibrating feeder.

SPECIFICATIONS

Model	PE- 450USH	PE- 370USH	PE- 300U
Capacity, kg/hr	400- 500	350- 450	270- 350
Installed motor power, kW	40.1	38.1	31.1
Process temperature, °C	110- 170	110- 170	110- 170
Dimensions, mm	1510x1195x1490	1510x1195x1490	1510x1195x1490
Weight, kg	800	740	720

JASKO FODDER EXTRUDERS ARE ON PAR WITH THE WORLD'S BEST TECHNOLOGIES BOTH IN TERMS OF RELIABILITY AND QUALITY. THIS HAS BEEN PROVEN MULTIPLE TIMES BY WINNING TENDERS OF THE AGRICULTURAL ENTERPRISES IN RUSSIA AND NEIGHBORING COUNTRIES.



PE–220, PE–180, PE–110 EXTRUDERS

These extruders are perfect for small farm businesses.

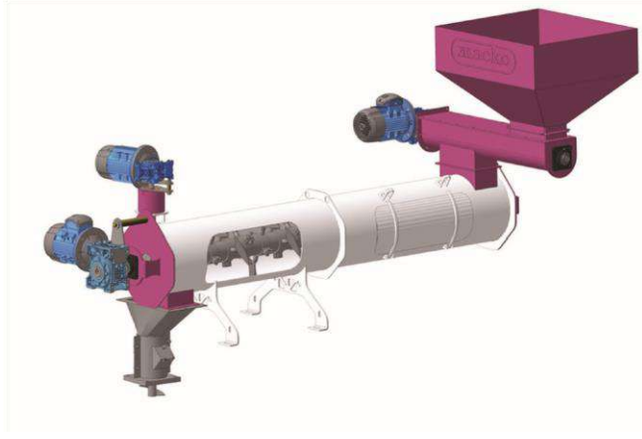
DESIGN FEATURES:

- The PE- 220, 180 and 110 models are equipped with:
- a screw feeder with frequency controller;
- a magnetic trap;
- a solid centered shaft;
- anti- vibration mounts.

SPECIFICATIONS

Model	ПЭ- 220	ПЭ- 180	ПЭ- 110
Capacity, kg/hr	200- 250	150 - 200	80 - 130
Installed motor power, kW	22.62	18.62	11.12
Process temperature, °C	110- 170	110- 170	110- 170
Dimensions, mm	928x665x1545	928x665x1545	825x665x1545
Weight, kg	450	390	250

STEAM CONDITIONERS



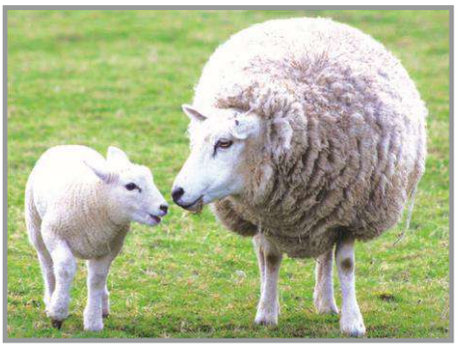
Our steam conditioners are designed for wet- heat treatment and conditioning of prepared (grinded) fermented soybeans and other raw materials by means of intensive heating and humidification by jet stream before extrusion. Such treatment makes the extrusion process easier, ensures stable quality of the extrudate and increased equipment performance.

SPECIFICATIONS

Humidity of incoming raw material (meal), %	max 6- 7
Humidity of processed material after steaming, %	max 8- 9
Temperature of processed material, °C	max 80- 85
Temperature of steam in nozzles, °C	133- 140
Steam pressure in nozzles, MPa	0.3 – 0.6
Installed motor power, kW	4.55 - 5

Steam conditioners can be used for warming up and humidifying of processed materials before any other technological operations, whenever required.





MEAT, POULTRY AND FISH WASTE EXTRUSION LINES

The lines enable to obtain fodder for different age groups of cattle, pigs, poultry and fish by extrusion of meat waste (veterinary condemned products, slaughter waste, fallen cattle, bones, by–products), poultry waste (slaughter waste and fallen stock) and fishery waste mixed with vegetable matter.

SPECIFICATIONS

PERFORMANCE RANGE		
Tons per hour	Tons per 24 hours	Tons per year
0.5	12	3960
1	24	7920

On a customer's request the line can be equipped with a dryer, separator, dosing system, etc.

LINE CONFIGURATION

PROCESSES

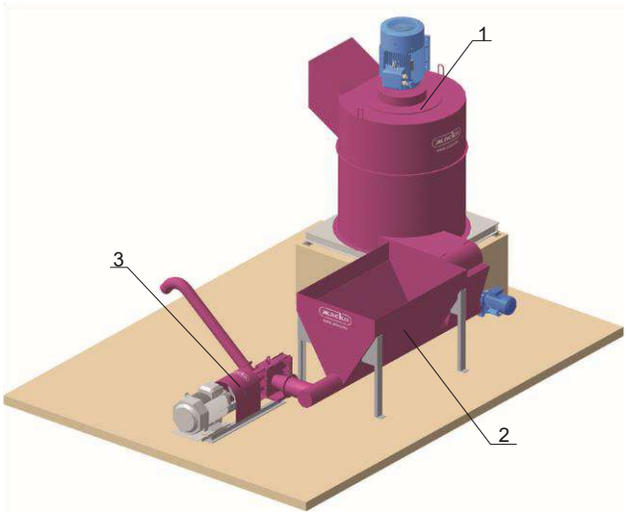
A – Grinding
B – Mixing
C – Extrusion

CONSECUTIVE STEPS OF THE EXTRUSION PROCESS:

- Grinding of meat and bone waste
- Mixing of grinded material with vegetable matter
- Extrusion
- Extrudate cooling
- Packaging and storage

The product obtained on the line from a mixture of grains or other vegetable matter with meat and bone waste is a completely new type of fodder on the market. It is not a substitution of meat and bone meal, but an almost ready- to- consume fodder from disinfected and thermally treated vegetable- and animal- derived components with high availability of nutrients and controlled content of animal protein.

MEAT AND BONE WASTE GRINDING



PROCESS 3

Grinding of sheep, goat or pig meat and bone waste

EQUIPMENT:

1. ADMK- 5/45 (45 kW) meat and bone crusher
2. BMK- 0.6C meat and bone hopper
3. H- 1/30 (30 kW) grinding pump

PROCESS 1

Grinding of cattle, sheep and goat or pig meat and bone waste (including big bones and skulls)

EQUIPMENT:

1. ADMK- 5M/75 (75 kW) meat and bone crusher
2. BMK- 1C meat and bone hopper
3. H- 1/45 (45kW) grinding pump

PROCESS 2

Grinding of sheep, goat or pig meat and bone waste or cattle waste with low content of bones, no skulls or intestines.

EQUIPMENT:

1. ADMK- 5M/55 (55 kW) meat and bone crusher
2. BMK- 0.6C meat and bone hopper
3. H- 1/45 (45 kW) grinding pump

SPECIFICATIONS

	Process 1	Process 2	Process 3
Capacity, tph	Max 8	Max 7	Max 5
Installed motor power, kW	122	104	79
Dimensions, mm	4700x2500x3300	4700x2500x3300	4200x2000x2400

АГРЕГАТЫ ДРОБИЛЬНЫЕ МЯСОКОСТНЫЕ АДМК

ADMK-5M/55

Для измельчения мясокостных отходов (свиные и говяжьи кости, головы, челюсти) до фракции не более 8 мм.

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Model	ADMK- 1/11	ADMK- 5/30	ADMK- 5/45	ADMK- 5M/55	ADMK- 5M/75
Capacity, tph	Max 1.3	Max 4	Max 5	Max 7	Max 8
Installed motor power, kW	11	30	45	55	75
Dimensions, mm	870x 780x 1460	1450x 1000x 1800	1450x 1000x 1800	1750x 1400x 2520	1750x 1400x 2520

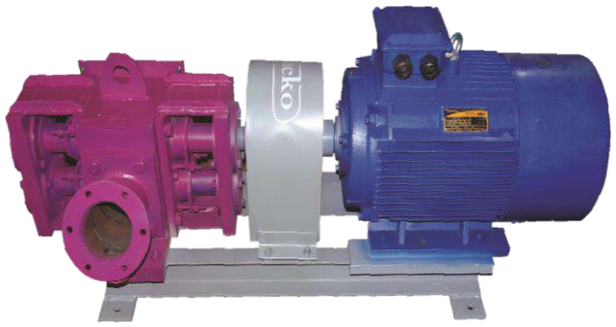
BMK MEAT AND BONE HOPPERS

Intake, collection and mixing of meat and bone waste, transfer for further processing down the line.

SPECIFICATIONS

Model	БМК–0.5	БМК–0.6С	БМК–1С
Capacity m^3	0.5	0.6	1

H–1 GRINDING PUMPS



Grinding of meat and bone waste for obtaining of a homogeneous mixture.

SPECIFICATIONS

Model	H- 1/30	H- 1/45
Speed, rpm	1500	1500
Installed motor power, kW	30	45
Dimensions, mm	1470x620x660	1470x620x660

M–1 MEAT GRINDERS

Grinding of meat and bone waste with no big bones of cattle and pigs.

SPECIFICATIONS

Model	M- 1/11	M- 1
Capacity, tph	6	10
Installed motor power, kW	11	30

GOS HORIZONTAL SINGLE–SHAFT MIXERS

Mixing of bulk dry and wet (such as meat and bone mince) materials as well as dry bulk materials with a small amount of liquid additives (max 10%) such as fat, vegetable oil, vitamins, etc. for obtaining of a free-flowing product.

SPECIFICATIONS

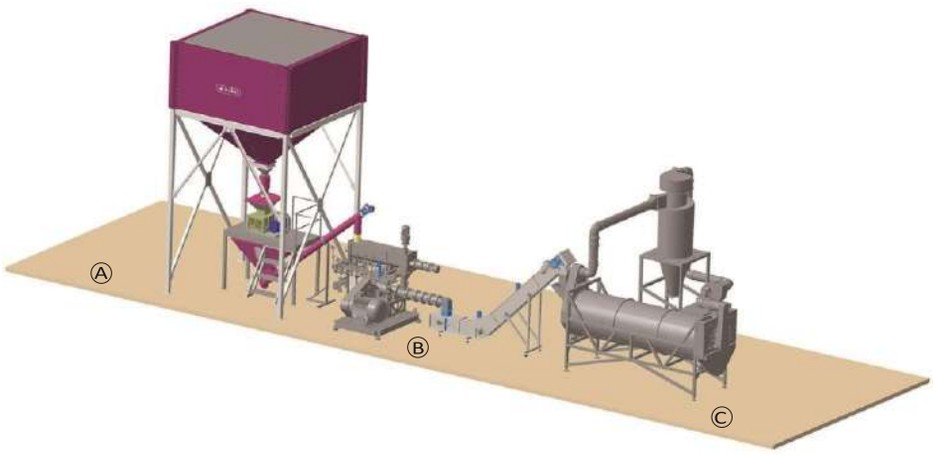
Model	GOS- 1	GOS- 2	GOS- 3
Performance, tph	max 5	max 7	max 10
Capacity, m^3	1	2	3
Installed motor power, kW	7.5	11	18.5
Dimensions, mm	2100x1260x 1750	2250x1460x 2120	2700x1480x 2050
Weight, kg	600	800	1250

LEPS–35M FULL–FAT SOYBEANS EXTRUSION LINES ARE SUCCESSFULLY RUN BY A NUMBER OF RUSSIAN COMPOUND FEED MILLS.

LEPS–35M FULL–FAT SOYBEANS EXTRUSION LINE

The line was designed to process soybeans for obtaining of a fodder additive with high protein content for different sex and age groups of pigs, cattle and poultry (lupine is another raw material which can be successfully processed on this line).

Different configurations are possible, including those featuring a raw material warming up unit, a shelling machine, a steamer or extrusion lines with minimum options.



SPECIFICATIONS

PERFORMANCE RANGE		
Tons per hour	Tons per 24 hours	Tons per year
1.1 – 1.5	22–35	8,030–12,780

ELECTRIC ENERGY CONSUMPTION AND STEAM FLOW RATE	
Installed motor power, kW	Steam flow, kg/hr
111	80–120

LINE CONFIGURATION

PROCESSES

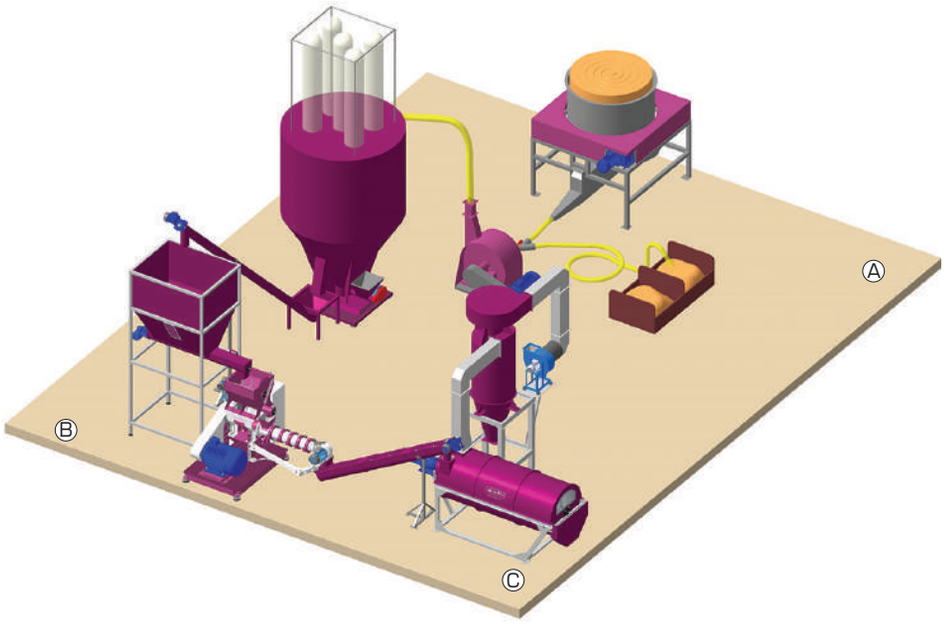
A – Grinding
B – Extrusion
C – Cooling

Steps of the technological process for obtaining of full- fat extruded soybeans on the LEPS- 35M line include:

- Loading and grinding of soybeans;
- Steaming in a steam conditioner with subsequent extrusion;
- Cooling and storage of the finished soybean extrudate.

STRAW AND GRAIN EXTRUSION LINE

Extruded fodder production from a mixture of grain and straw.



SPECIFICATIONS

PERFORMANCE RANGE		
Tons per hour	Tons per 24 hours	Tons per year
1	24	7920

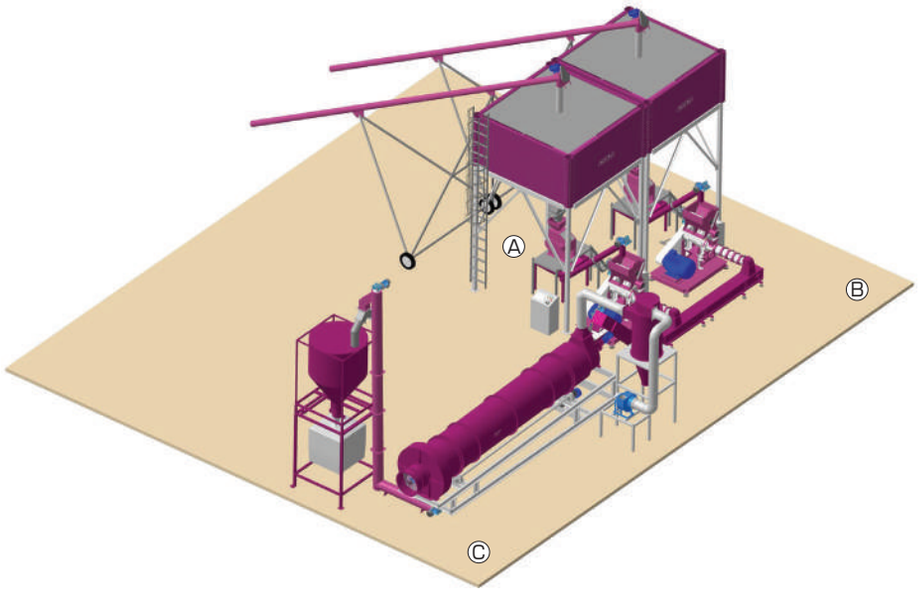
Installed motor capacity, kW	Required space, m^2	Minimum ceiling height, m
160	120	6

LINE CONFIGURATION

PROCESSES
A – Grinding
B – Mixing
C – Extrusion

UNIVERSAL EXTRUSION LINE

Extruded fodder production from grain crops and legumes.



SPECIFICATIONS

PERFORMANCE RANGE		
Tons per hour	Tons per 24 hours	Tons per year
2	48	15840

Installed motor capacity, kW	Required space, m^2	Minimum ceiling height, m
226	220	6.5

LINE CONFIGURATION

PROCESSES
A – Grinding
B – Extrusion
C – Cooling

Design and manufacture of an extrusion line by JASKO on a turn- key basis includes:

1. Identification of the customer's needs
2. Preparation and approval of design specifications
3. 3D- modelling
4. Manufacture of equipment
5. Test assembly before shipping
6. Transportation
7. Start- up and commissioning
8. Supply of spare parts and accessories, service maintenance

■ UO–1/3.5, UO–0.6/4, UO–1/6 COOLERS

Cooling and partial drying of extruded fodder and seed cake. Baking of protein component is excluded.

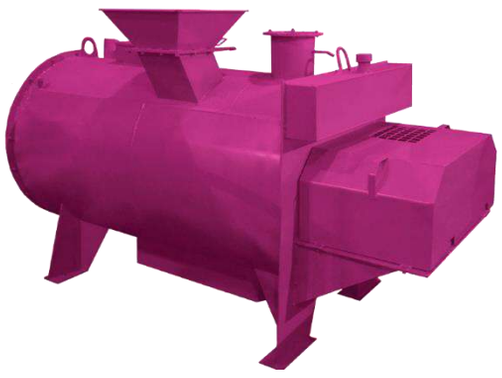
UO–1/3.5

UO–0.6/4

SPECIFICATIONS

Model	UO–0.6/4	UO–1/3.5	UO–1/6
Capacity (for full–fat extruded soybeans), tph	max 0.65	max 1.8	max 3
Installed motor power, kW	1.85	4.4	7.7
Drum diameter, mm	600	1000	1000
Drum length, mm	4000	3500	6000
Dimensions, mm	4800x900x1800	4600x1420x2600	8350x1510x2740
Weight, kg	600	1200	2400

■ AC DRYERS



Mixing, boiling and drying of semicondemned meat and bone or fish–derived raw materials with low fat content as well as grains for further fodder production.

SPECIFICATIONS

	AS–0.80E (electrical heating)	AS–0.8P (steam heating)	AS–1.5P (steam heating)	AS–1.5E (electrical heating)
Capacity, m^3	0.8		1.5	
Installed motor power, kW	32.2	2.2	3.0	33.0
Dimensions, mm	2260x1260x960		2400x1700x1250	
Weight, kg	650		950	

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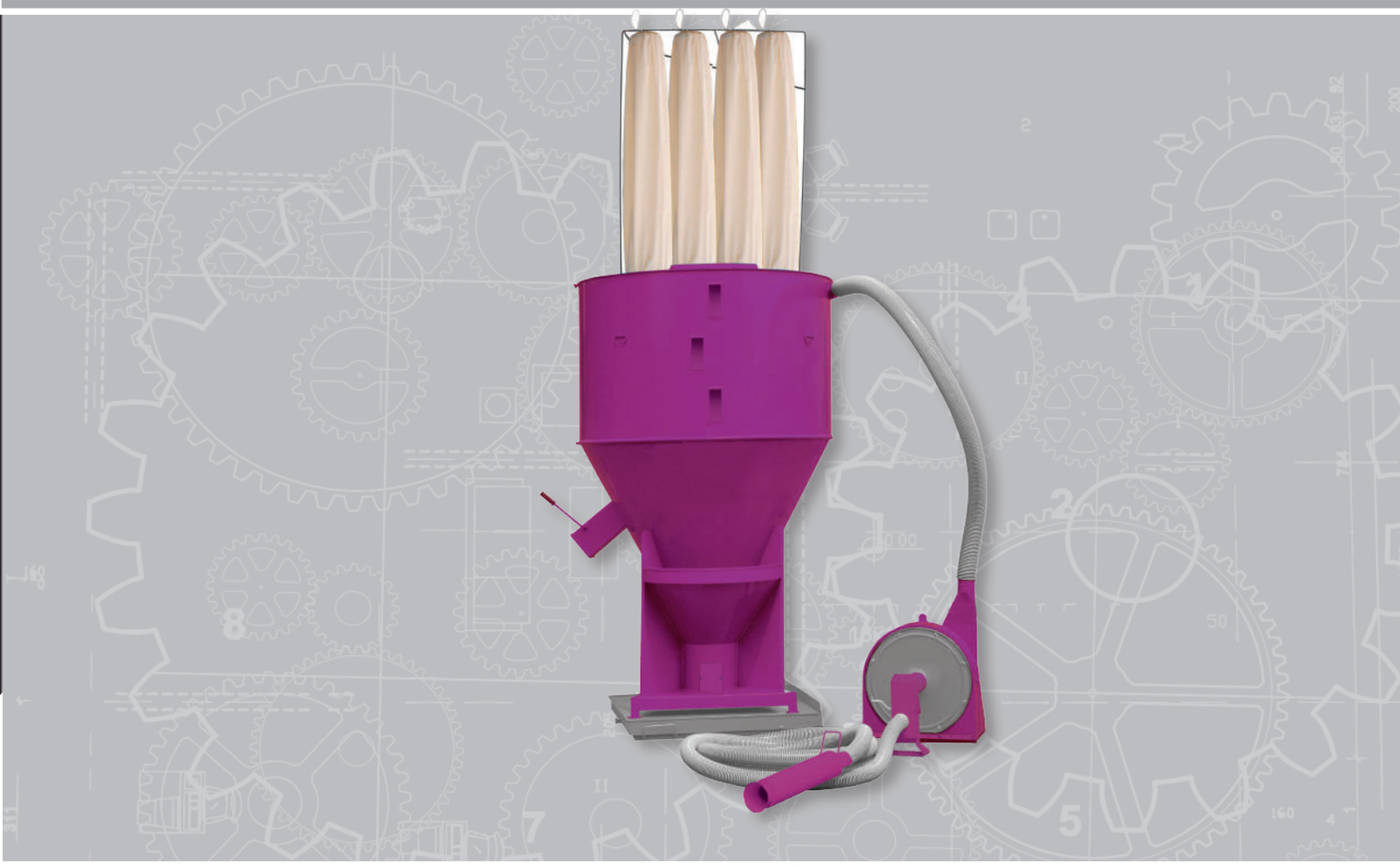
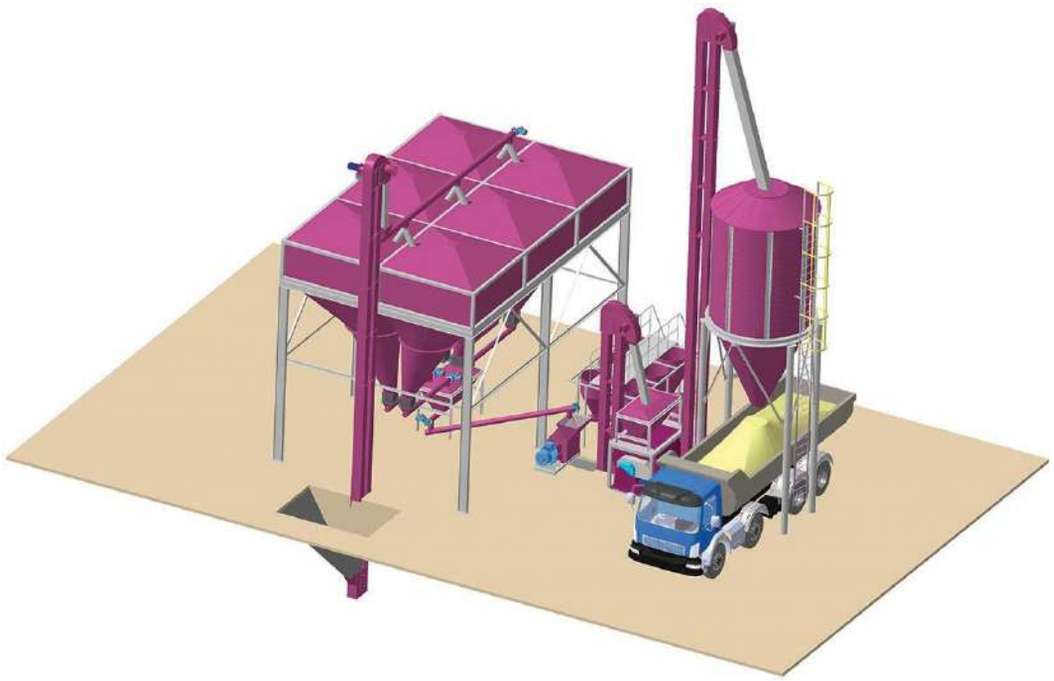
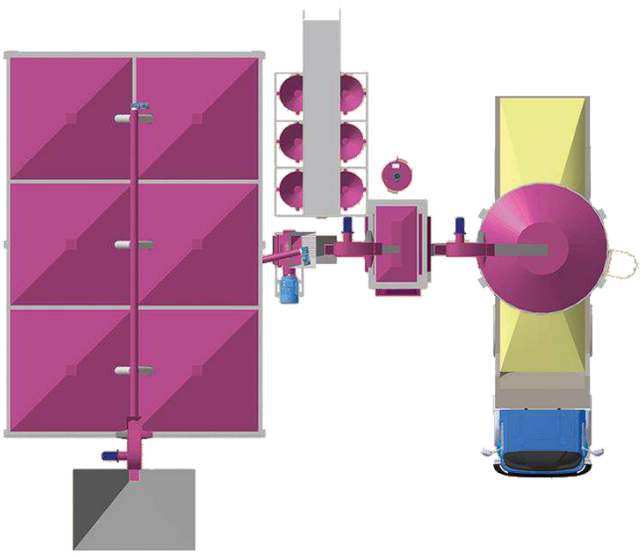


FODDER PROCESSING EQUIPMENT

FODDER PRODUCTION WORKSHOP

Package solution for production in the automatic mode of the fodders intended for various sex and age groups of cattle, poultry and fish. Produced fodders contain cereal forage, protein and mineral additives and vitamins in necessary proportions.





MAIN ADVANTAGES:

- high production capacity;
- reliability;
- custom design based on the requirements of the business;
- short payback period;
- flexibility (suitable for production of different kinds of fodder).

EQUIPMENT OF THE WORKSHOP:

- hoppers for raw materials and finished products;
- weighing and collecting hoppers;
- a fodder grinder;
- macro–dosing system;
- a liquid component feeder;
- a two–roll mixer;
- a two–storey metal structure;
- necessary inter–stage conveyors (screw conveyors, bucket conveyors)

On request we can design and manufacture other equipment for a fodder production workshop.

Having own fodder production workshop allows to:

– reduce fodder costs and consequently production costs;

– be sure of the quality of raw materials and not depend on suppliers;

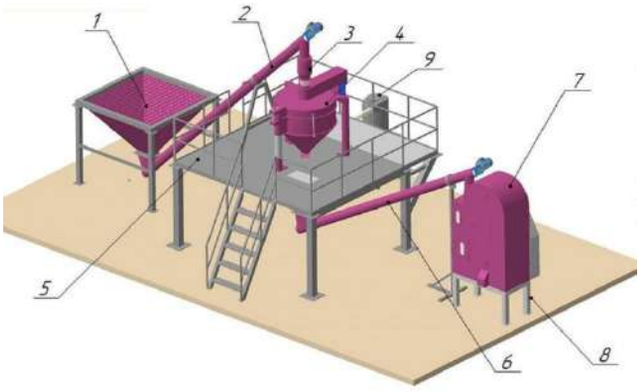
– prepare fodders by own recipes;

– introduce necessary modification into the livestock diet without delay.

SPECIFICATIONS

Capacity, tph	3
Total installed motor power, kW	105
Required space, m^2	195
Ceiling height, m	17

OAT SHELLING MACHINE



Oat shelling and hull discarding.

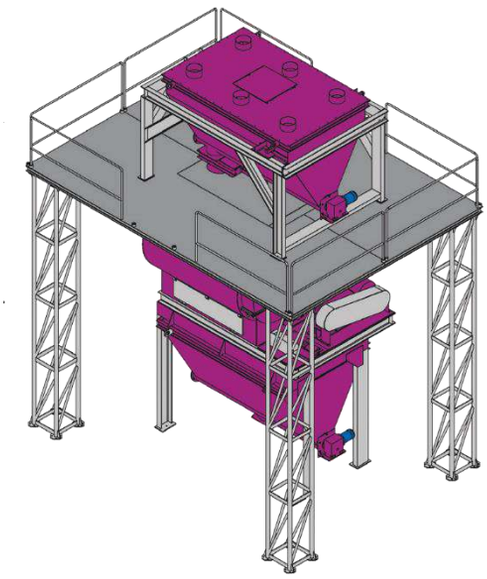
SPECIFICATIONS

Capacity, tph	max 3
Installed motor power, kW	13
Voltage, V	380
Dimensions, mm	9000x4000x4000

Due to high content of digestible nutrients oat is frequently used as one of the basic fodder components.

However, oat typically contains 26% of shells which are not digested by weaned piglets and birds. For this reason oats added into fodders must be deshelled.

DOSING AND MIXING SYSTEM



Dosing of fodder ingredients by weight, mixing of dry components and liquid additives.

SPECIFICATIONS

Model	ADS–1
Mixer capacity, m^3	1
Hopper capacity, m^3	1
Mixer performance, tph	5
Homogeneity, %	95
Mixing cycle, min	5
Weighing range, kg	20 – 2,000

THE SYSTEM FEATURES:

1) a weighing hopper with 3 strain gauges;
2) a horizontal mixer with intermittent operation;
3) a ramp and an intake hopper of the mixer.

UM MACRO–DOSING SYSTEMS:

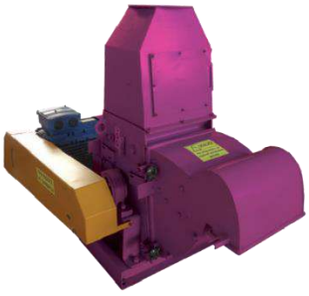
Dosing of protein and mineral additives, vitamins and grain components.

SPECIFICATIONS

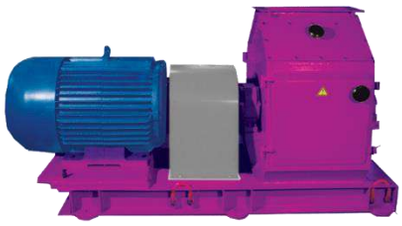
	UM–6	UM–8
Total capacity, tph	max 6	max 6
Feeders capacity, tph	0.9	0.9
Accuracy, g	up to 100	up to 100
Number of ingredients	6	8
Total motor power, kW	8.7	10.6
Hopper capacity, m^3	0.5	0.5
Dimensions, mm	5646x2300x3128	6897x2300x3138
Weight, kg	1900	2530

HAMMER MILLS

Milling of grains (wheat, barley, corn, peas, etc.) and other fodder components (oilseed residues, seed cake, grass meal, shells, etc.).



DM–4



MD–45

KD–2ASH

SPECIFICATIONS

Model	DM–4 (SH)	MD–45	KD–2(SH)
Capacity, tph	3–5	Max 5	3
Type	Stationary hammer mill	Stationary hammer mill	Stationary hammer mill
Hammers, pc	80	64	90
Installed motor power (with/without a screw feeder), kW	30 / 30.2	45	22/23.5
Dimensions (with/without a screw feeder), mm	850x1500x2800 / 5200x4800x3750	1690x840x1050	2600x1750x2800 / 5600x1750x2800
Weight (with/without a screw feeder), kg	540 / 870	830	630 / 780

DESIGN FEATURES:

- in the DM–4(SH) model the degree of grinding is set by positioning of a gate (higher product flow results in bigger fraction);
- main advantage of KD–2A(SH) is pneumatic conveying of grinded raw materials from the grinding chamber (which enables to prevent sticking to the sides, screen blinding, thus ensuring higher equipment performance);
- DM–4SH is equipped with a screw conveyor discharge and a screw feeder (KD–2SH has only a screw conveyor discharge);
- MD–45 is suitable for processing of such materials as limestone, chalk, bones, grains, legumes and other dry semihard materials which come in lumps.

ADK–8, ADK–10

SPECIFICATIONS

Mill model	ADK–8	ADK–10
Capacity, tph	8–10	10
Type	Stationary hammer mill	
Hammers, pc	96	120
Hole diameter of replaceable screens, mm	3.2 – 12	3.2 – 12
Installed motor power, kW	30	45
Dimensions, mm	1840x1040x1260	1960x1040x1300
Weight, kg	800	970

DESIGN FEATURES:

- ADK hammer mills consist of a series of hammers hinged along the axes;
- the design allows for quick replacement of hammers without rotor dismounting;
- hinged cover plates from both sides enable easy access into the milling chamber for quick screen replacement;
- the intake hopper features a magnetic separator.

AVS HIGH-PROTEIN MIXTURES MACHINE

The machine is designed for production of protein mixes from fish and/or meat and bone waste and vegetable matter (grain crops, bran, oilseed residues, etc.). Raw materials are subjected to grinding and cavitation heating after which the resulting mixture is dried.
One full cycle takes 7 minutes.

SPECIFICATIONS

	AVS-18.5	AVS-45
Nominal power demand, kW	18.5	45
Nominal input current, A	30	75
Voltage, V	380	380
Rotation speed, rpm	1450	1450
Dimensions, mm	800x900x1650	1000x1300x1650
Weight, kg	450	800

AK FEED MILLING MACHINES

AK-2-1
Feed milling machine

The feed milling machines are designed for milling of forage cereals and subsequent mixing with vitamins and mineral additives according to zootechnical standards for different kinds and sex and age groups of animals, poultry and fish.

DESIGN FEATURES:

- Mixer is positioned on a frame equipped with strain gauges which allow to accurately dose ingredients and store data on the cereal flow rate;
- Design provides for removal of stones and metallic admixtures.

AK-2-1M does not feature a pneumatic pick up system, AK-2-2 features two mixers and one hammer mill.

SPECIFICATIONS

Model	AK-2-1	AK-2-1M	AK-2-2
Performance, tph	2	2	2.5
Mixer capacity, m^3	4.4	4.4	2x4.4
Hole diameter of exchangeable screens, mm	4;5;6;8	4;5;6;8	4;5;6;8
Total installed motor power, kW	26	27	29
Dimensions, mm	6950x1900x4240	4900x1900x4300	6950x3900x4240
Weight, kg	800	1230	1250

VS–2 PREMIX MIXER

Mixing of mineral additives up to 100 kg per 1 load.

SPECIFICATIONS

Capacity, m3	0.2
Rotation speed, rpm	290
Installed motor power, kW	4
Dimensions, mm	1200x1200x1500
Weight, kg	260

I1–RT STRAW SHREDDER

Shredding of straw supplied in rolls or in rectangular bales and intended for production of fodder and manufacture of animal litter.

SPECIFICATIONS

Capacity, kg/hr	1500
Max roll size, m	1.6
Max roll weight, kg	260
Cutting length, mm	20
Motor power, kW	37
Rotation speed, rpm	1500
Dimensions, mm	2400x2100x2300
Weight, kg	1200

HOPPERS

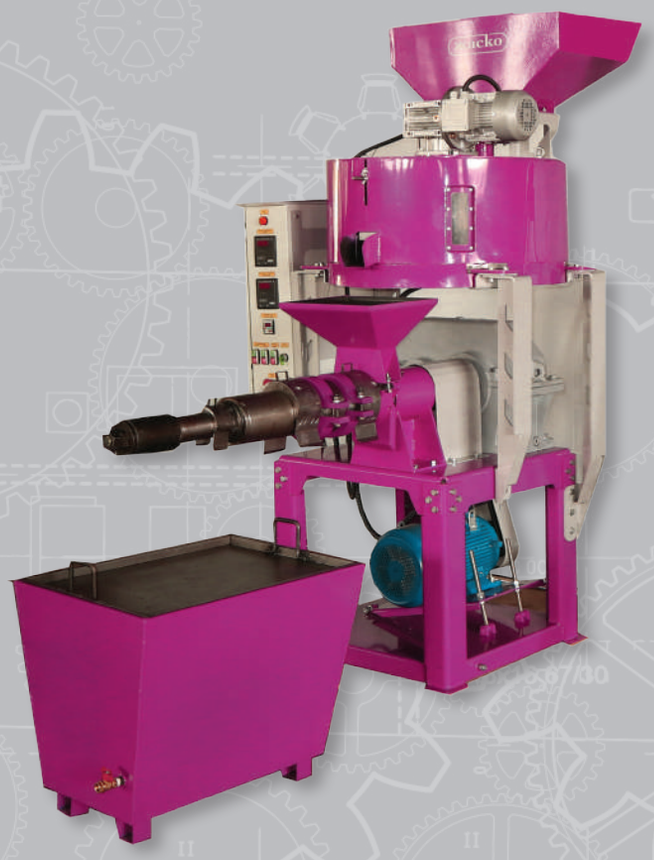
Hoppers for collection, storage and feeding into the process of cereals, mineral additives, vitamins and other similar products.

We accept orders for manufacture of the following types of hoppers:

- for source materials
- intake hoppers
- for admixtures
- feeding hoppers
- for additives
- dumping hopper
- weighing hoppers

Detailed specifications of our hoppers are available at: www.jasko.ru

jasko



VEGETABLE OIL EQUIPMENT

MPSH SCREW OIL PRESS MACHINES

Cold and hot pressing of oil crops and seed cake in single– or double–pressing processes.

SPECIFICATIONS

Model	MSH–300	MSH–500	MSH–800
Capacity, kg/hr	max 300	max 500	max 800
Installed motor power, kW	15	22	45
Dimensions, mm	1900x650x1300	2100x750x1450	2800x1050x1850
Weight, kg	700	850	1850

PM–25 SCREW OIL PRESS MACHINES

Hot pressing of oil crops (sunflower seeds, soybeans, rape seeds, etc.) in the operating modes of single pressing, pre–pressing and final squeezing.

SPECIFICATIONS

Operating mode	Single pressing	Pre–pressing	Final squeezing
Capacity, kg/hr	max 1.2	max 3	max 0.7
Consumed power, kW	22	22	30
Residual oil in seed cake, %	9–12	18–24	7–9
Dimensions, mm	4700x1500x2100		
Weight, kg	4600		

PDM SQUEEZER

Final squeezing of seed cake in a double–pressing process.

SPECIFICATIONS

Model	PDM–500
Capacity, kg/hr	500
Installed motor power, kW	11
Dimensions (without a feeder), mm	3300x1120x1200
Weight, kg	2300

MSH OIL PRESS MACHINES

Production of vegetable oil and seed cake from oil crops by cold pressing.

MSH–60 was designed for cold pressing of medicinal and small–seeded crops (pumpkin, watermelon, flax, sesame, hemp, camelina, carum, milk thistle).

Oil temperature at the outlet does not exceed 60°C, so that all nutritious and medicinal properties are preserved.

MSH–200 features a roaster for wet–heat treatment of seed meal.

SPECIFICATIONS

Model	MSH–60	MSH–130	MS–200
Capacity, kg/hr	60	100–130	200–220
Installed motor power, kW	7.5	7	16
Dimensions, mm	1300x600x1300	1700x600x1300	1750x800x2070
Weight, kg	300	320	630

MRV HULLER AND WINNOWER

Hulling of sunflower seeds and separation of kernels from hulls.

The seeds loaded in the huller are broken by striking against the sides and friction. The kernels and hulls are then delivered onto a vibrating screen.

Vibration forces kernels and hulls downward.

Small fraction goes through first sieves; bigger fraction is screened off and discharged.

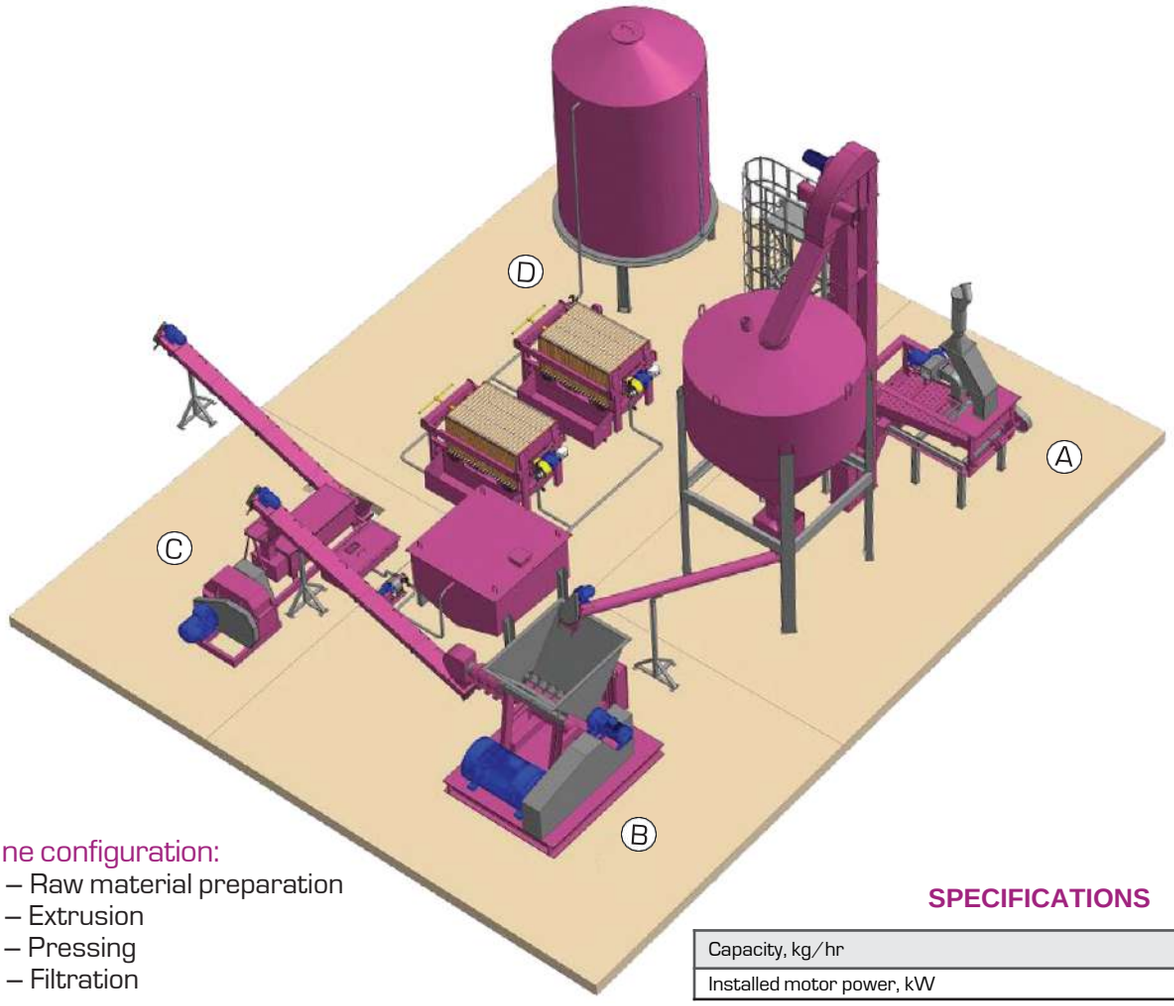
On the next stage hulls are sucked by an inhale air fan.

SPECIFICATIONS

Model	MRV	MRV–1000M	MRV–2000M
Capacity, tph	0.5	0.8	1.6
Installed motor power, kW	3.7	6.7	11.9
Dimensions (without a feeder), mm	1185x1150x1760	3120x1020x3130	3120x1730x3130
Weight, kg	880	940	1446

OUR COMPANY OFFERS A WIDE MODEL RANGE OF OIL PRESS MACHINES FOR PRODUCTION OF OIL FROM SOYBEANS, RAPE SEEDS, SUNFLOWER SEEDS AND OTHER CROPS. JASKO ENGINEERS HAVE DESIGNED AND ARE READY TO MANUFACTURE AN AMARANTH PROCESSING SYSTEM.

SOYBEAN PROCESSING LINE (SINGLE PRESSING)



Line configuration:
A – Raw material preparation
B – Extrusion
C – Pressing
D – Filtration

SPECIFICATIONS

Capacity, kg/hr	1000
Installed motor power, kW	max 132

UKPA–120 AMARANTH PROCESSING SYSTEM

The system is designed to obtain the following products from amaranth seeds: amaranth oil, amaranth cereal and amaranth flour.

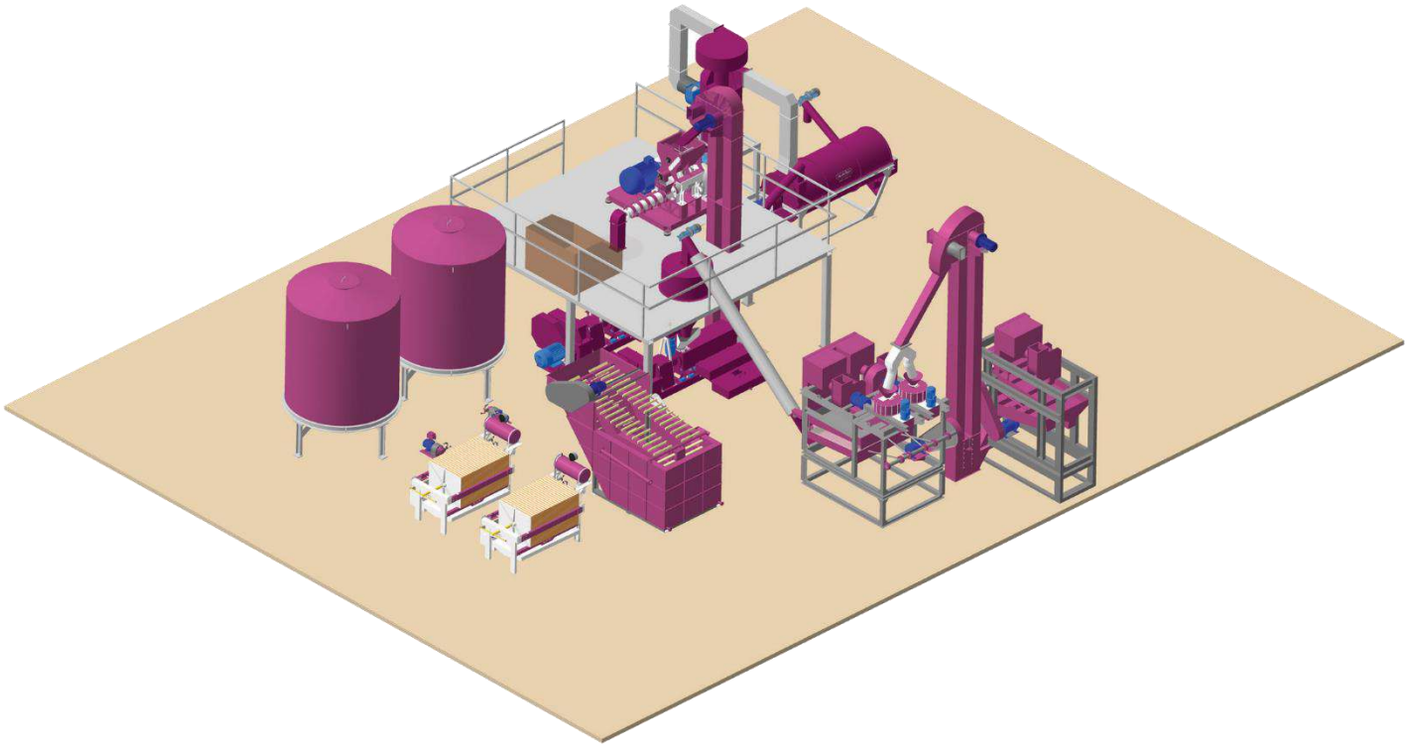
ADVANTAGES:

- specially developed press cooling system ensures that all nutrients and vitamins are preserved;
- the finished product is pressed oil free from any impurities;
- amaranth kernels are not broken in the process which allows to obtain cereal of the highest quality

SPECIFICATIONS

Capacity, t/year	max 1000
Installed capacity, kW	20–25
Operation mode	manual, automatic

OIL PRESS LINES



We offer press lines for production of oil from sunflower seeds, rape seeds, linseed and other oil crops.

We manufacture:

- single and double hot pressing lines
- single cold pressing lines
- equipment performing an advanced technology for double cold pressing and extrusion

PHZI STEAM ROASTERS

Wet-heat treatment of oilseed meal at the oil and fat production plants.

SPECIFICATIONS

Model	PZHI-3-1200	PZHI-4-1200
Capacity, kg/hr	800	1000
Pans, pc	3	4
Steam flow, kg/hr	250	350
Steam pressure, mPa	0.5	0.5
Heating temperature, °C	1200	1200

MAIN ADVANTAGES:

- steam for product humidification is fed directly into pans;
- uniform roasting is ensured by mixing blades;
- individual temperature can be set for each pan;
- seed meal is transported from one pan into another by a system of valves which ensure maintenance of set parameters in each pan;
- seed meal discharge is controlled by a separate valve;
- amount of discharged product is regulated by the position of a gate.

MV–1–6 WINNOWER

Separation of hulls from cereal crops (rice, buckwheat, oat) and sunflower kernels, separation of lightweight admixtures from wheat grain.

SPECIFICATIONS

Capacity, kg/hr - separation of hull and hulling bran from cereal crops and sunflower kernels - separation of lightweight admixtures from wheat grain	 3000 6000
Installed motor power, kW	1.1
Dimensions, mm	1245x830x1830
Weight, kg	430

SPO SEPARATORS

Continuous separation of admixtures with particular size and weight (including metallic impurities).

SPECIFICATIONS

Model	SPO–2.5	SPO–5
Capacity, tph	2.5	5
Installed motor power, kW	3.7	5.9
Dimensions, mm	2280x952x2540	2500x1750x2540
Weight, kg	840	1200

MSHP HULLER

Sunflower seed hulling at oil extraction plants; seeds and oats hulling at candy production factories.

THE HULLER FEATURES:

casing, wheel, screen deck, elevating device, centering ball–bearings, inlet nozzle, electric motor, mounts, control cabinet, frequency controller for accurate and gradual regulation of the wheel rotation speed.

SPECIFICATIONS

Capacity, tph	max 2.5
Hulling efficiency per one cycle, %	80
Motor speed, rpm	1500
Installed motor power, kW	5.5
Dimensions, mm	1700x1100x1370
Weight, kg	600

MF SLUDGE TRAPS

First stage oil purification before filtration.

SPECIFICATIONS

Model	MF–1	MF–2	MF–5
Performance, kg/hr	400	2000	4000
Installed motor power, kW	0.18	0.25	0.25
Capacity, m^3	0.4	1.8	2.5
Temperature of purified oil, °C	20–80	20–80	20–80
Dimensions, mm	2380x 980x 1200	2475x 1300x 1800	3293x 1745x 2078
Weight, kg	356	840	1120

FRAME FILTERS

Filtration of vegetable oil, purification from mechanical solids, heavy fats and paraffins according to the GOST requirements for superior grade vegetable oil.

Pressure created by the pump forces oil into all frames at the same time; oil leaks through filtering cloth and comes out purified. Mechanical solids are collected on the cloth and then removed with a scrape.

SPECIFICATIONS

Model	RF–4/1	RF–5/1
Capacity, l/hr	max 200	max 700
Installed motor power, kW	2.2	2.2
Dimensions, mm	660x900x1600	2280x1380x1755
Weight, kg	230	583

FZ CETRIFUGAL FILTERS

Continuous filtration of vegetable oils from mechanical solids.

SPECIFICATIONS

Model	FZ–M	FZ
Capacity, tph	1	4
Installed motor power, kW	3	18.5
Temperature of inlet oil, °C	20–80	20–80
Total filtering surface, m^2	3.7	11.4
Dimensions, mm	1500x1000x2840	1900x1350x3325
Weight, kg	750	1800

UHM HARD SOAP PRODUCTION LINES

These lines enable to produce hard soap from technical-grade fat, synthetic fatty acids, soap stocks, vegetable oil acids, hydrogenated fats and other raw materials as provided by the Russian standard GOST 30266-95.

SPECIFICATIONS

Model	UMH-0.3	UMH-0.6
Capacity, kg/cycle	300	600
Installed motor power, kW	12	15
Mixer speed, rpm	30-50	30-50

Line composition:
1) soap boiler – 1 pc;
2) electric water heater – 1 pc;
3) settling tank – 3(6) pc;
4) soap cutting table – 1 pc.

KM SOAP BOILERS

Soap boilers are used for preparation of soap according to custom recipes and of organic soap free from artificial additives, preservatives and colorants.

A KM soap boiler is a double-wall heater with a water jacket and a mixer.

The outer surface is coated with liquid insulation to prevent heat losses during the soap boiling process.

For convenience the boilers feature maintenance platforms.

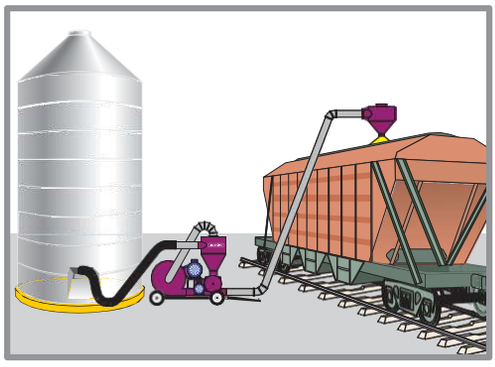
SPECIFICATIONS

Model	KM-0.3	KM-0.6
Capacity, kg/cycle	300	600
Installed motor power, kW	12	15
Mixer speed, rpm	30-50	30-50

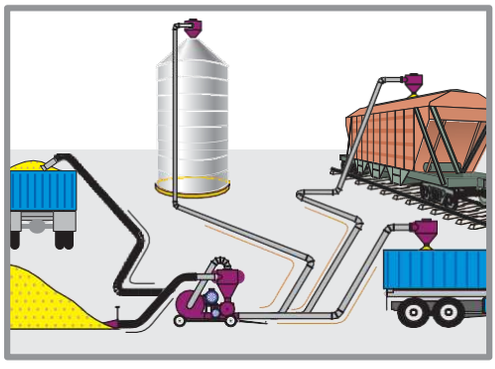
jasko

PNEUMATIC CONVEYING SYSTEMS AND EQUIPMENT

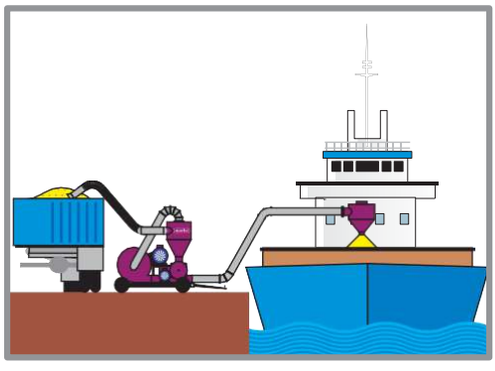
PNEUMATIC CONVEYING SYSTEMS GENERAL PURPOSE



Conveying from a silo tower to railroad car



Conveying along a complicated path



Conveying from a truck to ship

The technology of grain storage and processing includes several process steps, one of which is handling. Quality of raw materials and overall efficiency of production depend to a great extend on the choice of conveying systems and equipment.

JASKO offers PP pneumatic conveying systems for handling of grain crops and other materials with similar physical properties.

Our mobile pneumatic conveying systems can transport products to the distance of up to 120 m and height of up to 30 m, load and unload trucks, railway cars and storage tanks.

KEY ADVANTAGES:

- The intake cyclone of a PP pneumatic conveyor features an internal cyclone (dust collector) instead of a mesh filter to prevent product particles from going to the fan. This cyclone is fitted with air swirling blades in the upper section and a valve in the lower section.

Two stages of purification completely prevent dust and small fraction from going to the fan. Final separation of air and product takes place in the second (internal) cyclone.

- The air in the PP equipment conveying the product from the cyclone precipitator goes through a metal pipeline which is more wear resistant compared to a flexible conduit.
- Every PP conveyor model is equipped with an automatic throttle valve closing air flow in the vacuum duct during idle run and thus maintaining motor current rating in this mode.

.

Out PP conveying systems are perfect for handling of such products as grass seeds, bran, compound animal feed in bulk and grain crops which typically contain floss and other lightweight impurities.

PP PNEUMATIC CONVEYING SYSTEMS with an electric motor drive

PP–25

PP–5, PP–15

SPECIFICATIONS

Model	PP–5	PP–15	PP–25
Capacity, tph	max 5	max 15	max 25
Installed power, kW	12.1	23.1	39.2
Dimensions, mm	2300x1300x1800	2300x1300x1800	2500x1300x2300
Weight, kg	450	520	800

PP PNEUMATIC CONVEYING SYSTEM with a tractor engine power take–off drive

Can be used in the locations with no access to electrical transmission network.

SPECIFICATIONS

Model	PP–25T
Capacity, tph	max 25
Power take–off speed, rpm	1000
Dimensions, mm	2300x2800x3700
Weight, kg	850

PT–4 PNEUMATIC FAN

Carries sawdust and other similar materials between hoppers, tanks, storage areas and processing equipment.

SPECIFICATIONS

Capacity, tph	max 3
Installed power, kW	4
Height of elevation, m	max 6
Path length, m	max 40

ROM PNEUMATIC CONVEYORS
with an electric motor drive

Designed for horizontal or vertical conveying of grain crops and other products with similar properties.

- Path length – up to 70 m.
- Elevation – up to 10 m.
- Product pipeline diameter – 160 mm.

SPECIFICATIONS

Model	T-207/1	T207/2	T-450	T-449/2
Capacity, tph	max 10	max 15	max 18	max 25
Installed power, kW	11	15	22	37
Dimensions, mm	4330x1100x1700	4330x1100x1700	2010x1791x975	2192x1060x2033
Weight, kg	301	311	500	695

ROM PNEUMATIC CONVEYOR
with a tractor engine power take-off drive

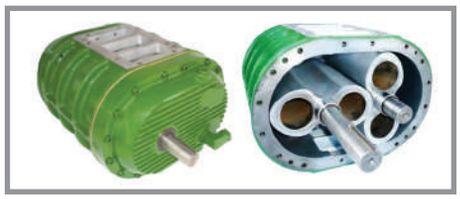
These conveyors can be used in field and in those production locations which have no access to electrical transmission network or wherever use of equipment with an electric motor drive is impossible.

- T-449 – lift-type
- T-449/1 – pull-type

SPECIFICATIONS

Model	T-450/1	T-449	T-449/1	T-470	T-480
Capacity, tph	max 18	max 25	max 25	max 35	max 43.5
Tractor engine power, hp	60	60	60	84	122
Power take-off speed, rpm	540	540	540	1000	1000
Dimensions in operating mode, mm	1420x1590x1800	1500x4400x4100	2500x4400x4250	2700x2700/ 4400x2800/4300	3400/ 3055x2350/ 45540x2870/4640
Weight, kg	450	550	570	675	835

MAIN UNITS AND SPECIAL FEATURES OF WALINGA PNEUMATIC CONVEYING SYSTEMS



Positive–displacement supercharger with double chrome coating

Air lock with chrome coating. The rotor has 10 blades with adjustable by gap width scrapers ensuring minimum grain breakage.

Pneumatic conveyor drive

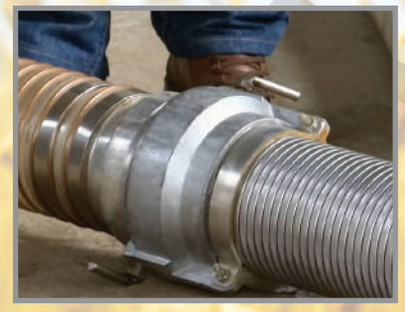
Pick–up device

Sight hole for monitoring of oil level in bearing units

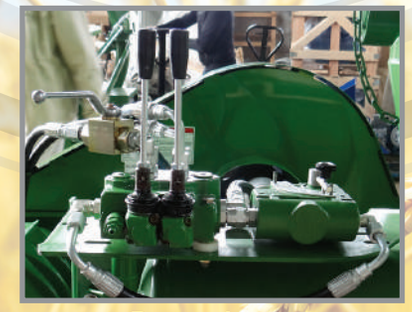
Rhine Liner coating ensures abrasion protection

Discharge bar for height adjusting, 360° rotatable

Cyclone inspection window



Pipe connection



Pneumatic gate control handle

Tube for documentation

AGRI–VAC

with a tractor engine power take–off drive

with an electric motor drive

SPECIFICATIONS

AGRI–VAC with an electric motor drive					
Pneumatic conveyor model	3510	5614	6614	7614	8816
Drive power, kW	15	55	92	110	187
Capacity, tph: – barley – corn – wheat – legumes	 18 17 13 12	 64 64 58 51	 92 92 84 75	 127 127 119 107	 178 178 162 145
Product pipeline diameter, inches	3	5	6	7	7
Dimensions, mm	1980x910x1520	2610x2340x2340	2670x2340x2410	2720x2340x2440	2430x3650x7040
Weight, kg	623	1510	1740	1910	6364

AGRI–VAC with a tractor engine power take–off drive					
Pneumatic conveyor model	3510	5614	6614	7614	8816
Tractor drive power, hp	25	70	110	130	250
Capacity, tph: – barley – corn – wheat – legumes	 18 17 13 13	 64 64 58 51	 92 92 84 75	 127 127 119 107	 178 178 162 145
Power take–off speed, rpm	540	540/1000	1000	1000	1000
Product pipeline diameter, inches	3	5	6	7	7
Dimensions, mm	1980x1190x1520	2610x2340x2340	2670x2340x2410	2720x2340x2440	2430x3650x7040
Weight, kg	410	1160	1370	1410	6364

POWER PACK units

POWER PACK units are used to connect Agri–Vac pneumatic conveyors series 5614, 6614, 7614 (with a tractor engine power take–off drive) to electric power transmission networks

SPECIFICATIONS

Model	Drive power, kW
5614	55
6614	92
7614	110

■ AGRI–VAC

Agri–Vac 3510c
with a combustion engine
(gasoline)

■ GRAIN–VAC

Grain–Vac 7614F
with a tractor engine power
take–off drive (for farm businesses)

SPECIFICATIONS

AGRI–VAC WITH COMBUSTION ENGINE (GASOLINE)	
Drive power, hp	25
Capacity, tph	max 18
Product pipeline diameter, inches	3
Dimensions, mm	1980x910x1520
Weight, kg	623
GRAIN–VAC WITH A TRACTOR ENGINE POWER TAKE–OFF DRIVE	
Drive power, hp	200
Capacity, tph	max 107
Product pipeline diameter, inches	7
Dimensions, mm	4420x590x3430
Weight, kg	2900

■ INDEPENDENT UNIT GRAIN BAG UNLOADER

This unit is used with Agri–Vac pneumatic conveyors to ensure quick unloading of product from polymer bags (sleeves).

Video presentation of AGRI VAC pneumatic conveyors series 5614 with a tractor engine power take–off drive

Practical demonstration of an AGRI VAC pneumatic conveyor series 6614

■ ULTRA–VAC



with a combustion engine (diesel)

SPECIFICATIONS

Model	5614 DIESEL	6614 (DIESEL)	7614 (DIESEL)	8816
Drive power, hp	125	170	185	250
Capacity, tph: – barley – corn – wheat – legumes	 64 64 58 51	 92 92 84 75	 127 127 122 112	 178 178 162 145
Product pipeline diameter, inches	5	6	7	7
Dimensions, mm	4320x2400x2640	4700x2540x2740	4700x2540x2740	2430x3650x7040
Weight, kg	3136	3727	3864	6364

■ SHIP UNLOADER

Unloading of grain crops, bulk and granulated materials from barges and ships with the capacity of up to 5,000 tons.



SPECIFICATIONS

Model	8614E SU (with electric motor)	8614D SU (with diesel motor)
Capacity, tph	110	110
Drive power	140kW	160 hp
Fuel tank, l	–	380
Dimensions, mm	7920x3650x2430	7920x3650x2430
Weight, kg	7727	7727

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DOSING, PACKAGING AND MIXING SYSTEMS

KZM–1 FILLING AND BAGGING MACHINE

Dosing and packing of products into open mouth bags and transporting the bags to the sewing station.

THE MACHINE FEATURES:

1) a weighing hopper;
2) a bag closer sewing machine with a belt conveyor.

SPECIFICATIONS

Dosing range, kg	5–50
Capacity, bags/hr	max 300
Bag height, mm	600–1100

MAIN ADVANTAGES:

- high performance – up to 300 bags per hour;
- dosing unit does not require electric power or compressed air;
- low wearability of mechanical parts;
- the sewing head is adjustable for bags of different types and sizes;
- control panel and electrical cabinet are conveniently positioned for the operator's easy access;
- the length of the conveyor can be made on order (within the accuracy of 5 cm);
- quick assembly and commissioning.

KFU–1 COAL DOSING AND PACKAGING SYSTEM

Dosing and packaging of coal into open bags. The system can also be used for packaging of other materials with the fraction of up to 75 mm.

THE SYSTEM FEATURES:

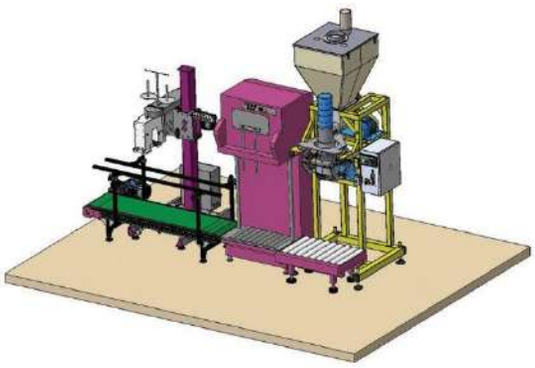
1) a feeding belt conveyor;
2) a weighing hopper;
3) a bag closer sewing machine with a belt conveyor.

- KFU–1D – for charcoal;
- KFU–1K – for bituminous coal

SPECIFICATIONS

Model	KFU–1D	KFU–1K
Capacity, doses/hr	3–7	3–7
Dosing range, kg	1–10	5–50
Bag height, mm	600–1100	600–1100

POWDER MILK PACKAGING MACHINES



Filling of open bags with a lining with powder milk, whey powder or other non–free–flowing products (such as flour, starch, etc.).

SPECIFICATIONS

Dosing range, kg	5–50
Capacity, doses/hr	max 360
Installed power, kW	4.5

DV–70M WEIGHING AND BAGGING MACHINE

Dosing and packaging of free–flowing materials such as cereals, grains, seeds, granules, etc. into open bags.

MAIN ADVANTAGES:

- high performance – up to 300 bags per hour;
- no requirement for electric power or compressed air;
- bags are securely fixed to the throat of the weighing hopper with spring latches to prevent dust from entering the product;
- the machine can be mounted onto the discharge opening of a storage tank;
- quick assembly and commissioning.

SPECIFICATIONS

Dosing range, kg	5–500
Capacity, doses/hr	max 300
Dosing time of one bag, sec	max 15
Dimensions, mm	800x600x500
Weight (without counter–balance), kg	70
Weight (with counter–balance), kg	127

DV–50–3A–TL WEIGHING AND BAGGING MACHINE FOR HEAVY MATERIALS (REINFORCED)

Automatic dosing and filling of open bags with heavy materials (for example, bituminous coal) with the fraction of 25 to 75 mm. This machine is equipped with a belt feeder, mechanical clamps for bag securing and an aspirator.

SPECIFICATIONS

Dosing range, kg	25–50
Capacity, doses/hr	max 5
Hopper capacity, l	300
Voltage, V	220
Installed power, kW	1.3
Dimensions, mm	1650x300x2600
Pressure, MPa	0.8
Dimensions, mm	450x868x705

DVPV WEIGHING AND BAGGING MACHINES

Dosing and packaging into open bags of bulk and small piece materials (cereals, grains, seeds, sugar, dried pasta, crackers, etc.) as well as big piece/frozen food (hard biscuits, frozen burgers, vegetables, etc.) and non–food items.

SPECIFICATIONS

Model	Dosing range, kg	Capacity, doses/min	Installed power, kW	Hopper capacity , l	Dimensions, mm
DVPV–3	0.5–3	15–30	0.1	80	960x700x750
DVPV–10–3A	3–30	3–7	1.2	390	1620x1200x2750
DVPV–50–3A	1–10	3–7	1.2	390	1620x1200x2750
DVPV–50	5–50	3–8	1.2	390	1620x1200x2610
DVPV–50P	5–50	3–8	1.2	390	1620x1200x2610
DVPV–50GPK	5–50	4–10	1.2	390	1620x1200x2900
DVPV–50MP	5–50	6–10	1.2	390	1500x1200x2800
DVPV–50P–MP	5–50	6–10	1.2	390	1500x1200x2800
DVPV–50–MP–GPK	5–50	7–12	1.2	390	1300x1200x3200

DVSH WEIGHING AND BAGGING MACHINES

Dosing and packaging into open bags of non–free–flowing products, such as flour, starch, powder milk, etc. All models have screw feeders which ensure uniform feed of a processed material.

SPECIFICATIONS

Model	Dosing range, kg	Capacity, doses/min	Installed power, kW	Hopper capacity, l	Dimensions, mm
DVSH–ZP	0.3–3	8	1.2	200	1500x1200x2400
DVSH–ZP–2	0.3–3	16	1.2	400	1100x850x2320
DVSH–10	3–10	6	1	300	1250x1100x2600
DVSH–50	5–50	6	1	300	1400x1300x2800
DVSH–50P	5–50	6	1	300	1400x1300x2800
DVSH–50VU	5–50	6	1	300	1400x1300x2800

FOR BIG PIECE AND FROZEN MATERIALS:

- DVPV–10–3A features an aspirator and a mechanical clamp for bag securing;
- DVPV–50–MP features a mechanical clamp for bag securing;
- DVPV–50P–MP features a pneumatic clamp for bag securing;
- DVPV–50P–MP–GPK features a pneumatic clamp and a weight measuring bucket

FOR NON–FREE–FLOWING MATERIALS:

- DVSH–3/10/50 features mechanical clamps for bag securing;
- DVHS–3P–2 features two screw feeders (filling of two bags at the same time);
- DVSH–50P features a pneumatic clamp for bag securing;
- DVSH–50VU features a filled bag shaker.

FOR FREE–FLOWING AND SMALL PIECE MATERIALS:

- DVPV–3/50 features a mechanical clamp for bag securing;
- DVPV–50P features a pneumatic clamp for bag securing;
- DVPV–50–GPK features a weight measuring bucket.

DVG–50 WEIGHING AND BAGGING MACHINE

Dosing and filling of open mouth bags with free–flowing materials (for example, sugar, grains, cereals, granules, etc.).

Double–speed control algorithm with a filling–in feature ensures high dosing accuracy.

This machine is equipped with automatic sensors counting filled bags and total weight of the packaged material.

MAIN ADVANTAGES:

- room–saving dimensions;
- low energy consumption;
- automatic adjustment to different products (the weight of a product column to fill one bag is registered, thus in a few doses ensuring minimum inaccuracy).

SPECIFICATIONS

Capacity, bags/hr	max 240
Compressed air flow, l/min	max 20
Working temperature range (no air drying), °C	+5...+40
Working temperature range (with air drying), °C	–30...+40
Dosing range, kg	7.5–25 or 15–50
Voltage, V	220
Pressure, MPa	0.8
Dimensions, mm	450x868x705

DVK–50 WEIGHING AND BAGGING MACHINE

Dosing of big piece materials and filling of nets, paper bags, polypropylene and polyethylene bags with 5 to 50 kg of product.

SPECIFICATIONS

Dosing range, kg	5–50
Capacity (for doses equal to 50 kg), doses/min	3–4
Hopper capacity, l	200
Consumed power, kW	0.75
Dimensions, mm	2000x900x2120
Weight, kg	390

MAIN ADVANTAGES:

- stable room–saving design;
- mobility, this machine can be easily moved to different areas of a workshop or a warehouse.

DBND CONTINUOUS-ACTION WEIGHING BATCHER

Continuous weighing and batching of bulk materials and additives with automatic maintaining of the set performance rate.

Hoppers of all DBND models are made from stainless steel.

SPECIFICATIONS

Model	DBND-15	DBND-250	DBND-1000
Capacity, kg/hr	max 10	max 250	max 1000
Weighing tolerance, % (max)	2	2	2
Weighing hopper capacity, l	8	15;45	150;300
Installed power, kW	0.28	0.56	0.8
Dimensions, mm	265x464x 565	380x470x 820(1345)	924x924x 1395(2007)

AF-P50 BATCHER

Filling of valve bags with bulk materials (for example, cement, sand, dry building mixes, etc.).

THE BATCHER FEATURES:

- a control panel with frequency regulator to choose from two set speed modes – for rough and fine filling;
- a rotary disc shutter with pneumatic drive;
- a pressure regulating filter.

The batcher can additionally be equipped with a conveyor and measuring hopper.

SPECIFICATIONS

Capacity, bags/hr (max)	180
Dosing range, kg	from 10 to 50
Compressed air flow, l/min (max)	100
Working temperature range (no air drying), °C	+5...+40
Working temperature range (with air drying), °C	-30...+40
Installed power, kW	2.2
Voltage, V	380
Pressure, MPa	0.6-0.8
Dimensions, mm	860x600x1650

AF–RPT BATCHER

Filling of valve bags with free–flowing aerated bulk, powdery and granular materials. Rotary valve functions as a feeder. For dusty materials it is recommended to complete a batcher with an aspiration system.

SPECIFICATIONS

Capacity, bags/hr (max)	350
Bag type	valve, laminated
Bad width, cm	from 30 to 50
Bag height, cm	from 40 to 70
Valve width, cm	9/11
Dosing range. kg	from 15 to 50
Compressor requirements, MPa/m^3/minot	0.4 to 0.6/0.3
Installed power, kW	7.5
Dimensions, mm	1200x870x1575
Weight, kg	550

NMK 500–SP BIG BAG FILLER

Filling of 0.5 – 1.5 m^3 big bags with two or four lifting loops with free–flowing materials.

SPECIFICATIONS

Capacity, big bags/hr	max 15
Big bag type (number of lifting loops)	2; 4
Dosing range, kg	125–1000
Compressed air flow, MPa	0.6–1.0
Installed power, kW	0.5
Dimensions, mm	1300x1500x2500

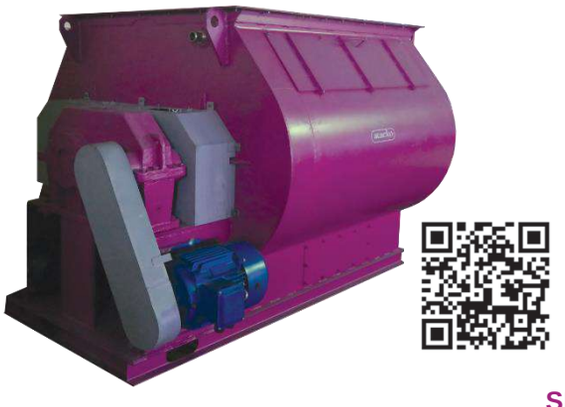
NMK 500–B BIG BAG FILLERS

Automatic filling of big bags with four lifting loops with bulk materials. Maximum dose limit – 2,000 kg.

SPECIFICATIONS

Capacity, big bags/hr	max 15
Big bag type (number of lifting loops)	4
Maximum dose, kg	2000
Installed power, kW	1.5
Dimensions (LxBxH), mm	1871x1500x4498

DLS DOUBLE-SHAFT MIXERS WITH INTERMITTENT OPERATION



Mixing of portions of ingredients with different bulk weight. High mixing quality is ensured by the mechanically achieved weightlessness effect.

Achieved homogeneity – 96–98%. Mixing time – 1–2 minutes.

This mixer enables to produce a homogeneous mixture of bulk products and liquid additives. Possible share content of liquids is 1 to 10%.

SPECIFICATIONS

Model	Volume, m^3	Capacity, kg	Performance, tph	Installed power, kW	Dimensions, mm	Weight, kg
DLS–0.02	0.04	20	0/6	0.75	850x620x580	200
DLC–0.05	0.1	50	1	1.87	1300x1100x1100	450
DLS–0.1	0.2	100	2	2.51	1370x1000x1190	680
DLS–0.2	0.4	200	4	3.37	1700x1350x1450	900
DLS–0.25	0.5	250	5	4.1	2100x1480x1550	1100
DLS–0.4	0.8	400	8	6.10	2160x1556x1760	1550
DLS–0.5	1	500	10	9	1960x1698x1690	1600
DLS–1.0	2	1000	20	15.5	2510x2050x1950	2700
DLS–1.5	3	1500	30	19.5	2800x2100x2100	3300
Capacity is indicated for the products with the bulk weight of 0.5m^3/t						

VLS VERTICAL BLADE MIXERS

Preparation of highly homogeneous multi-ingredient bulk mixtures. Allowable share content of liquid ingredient is less than 20% of a total load.

Hoppers of VLS mixers are made from stainless steel.

SPECIFICATIONS

Model	VLS–50N	VLS–120N	VLS–230N
Capacity, l	50	120	230
Installed power, kW	1.5	4.0	4.0
Mixing time (max), min	2	2	2
Homogeneity of mixture, %	98	98	98
Dimensions, mm	700 650 800	1000 800 1025	1200 950 1150
Weight, kg	50	125	240

Rotation of the shaft with the blades positioned at an angle creates a fluidized bed thus ensuring quick mixing of ingredients.

The operation starts right after loading of materials and closing the lid. Upon completion of unloading the mixer shuts down.

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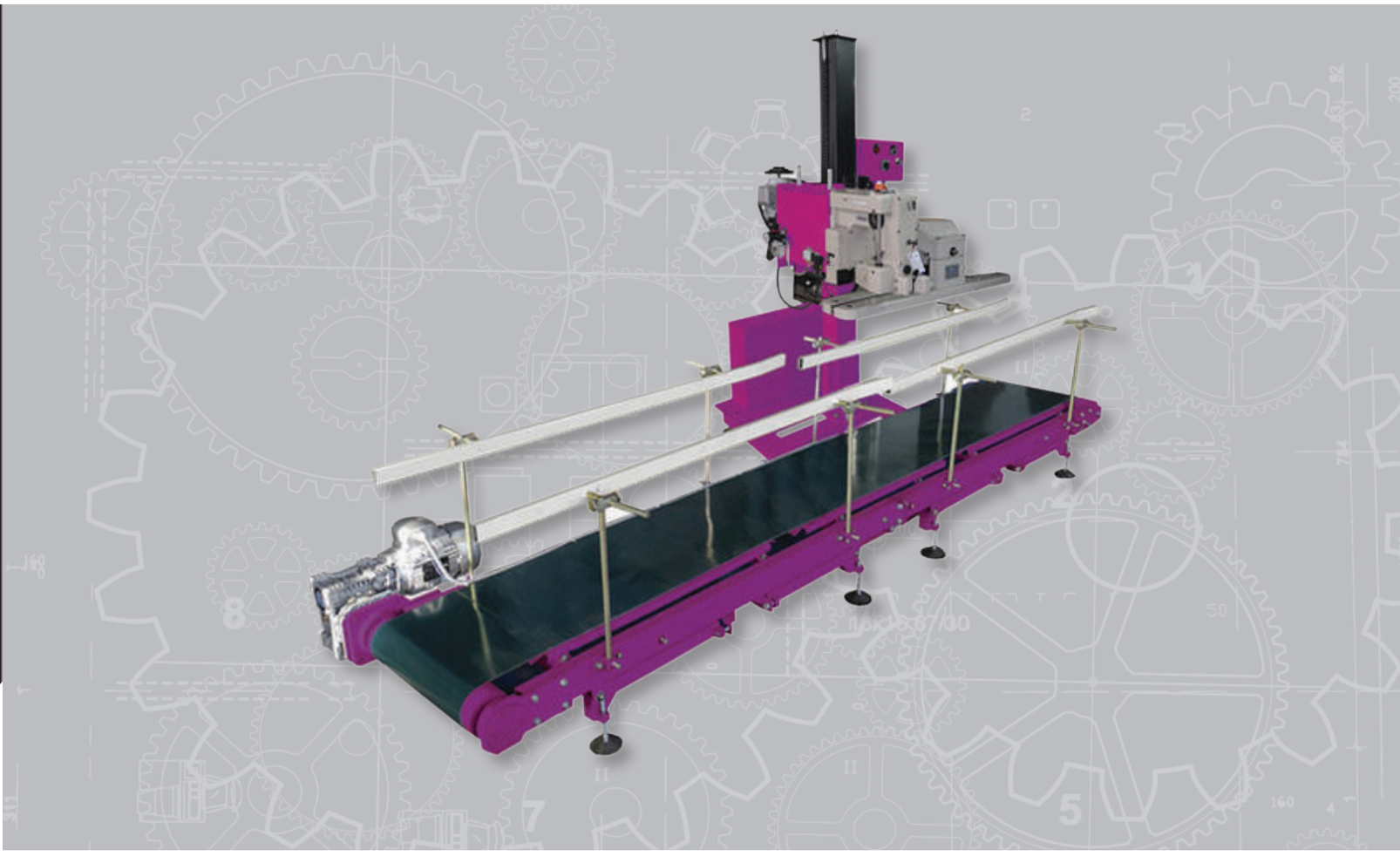


BAG CLOSING MACHINES

STATIONARY AUTOMATIC BAG CLOSER SEWING SYSTEM

Automatic closing of filled bags. The system is operated in conjunction with an MZM belt conveyor.

THE SYSTEM FEATURES:

1) a conveyor;
2) a bag closer sewing stand;
3) a sewing head;
4) a mechanism for positioning of a bag throat;
5) a control panel.

DESIGN FEATURES:

- the stand design enables to install different types of sewing heads;
- the height of the sewing head can be adjusted;
- the sewing head features a mechanism for automatic lubrication;

SPECIFICATIONS

Capacity, bags/hr	900
Stitch length, mm	7 – 11.5
Bag height, mm	600–1100
Installed power, kW	3.62

- the system allows for the use of a crepe tape;
- the systems allows for bag edging;
- the system has arrangement for pneumatic connections.

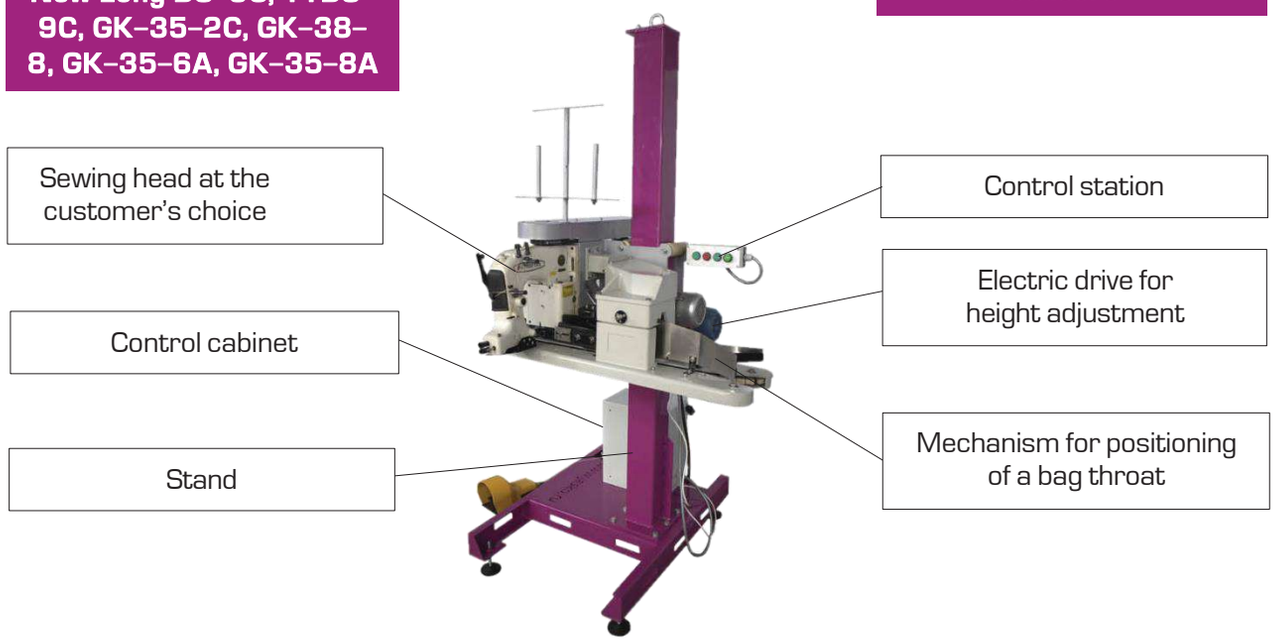
On request: a customer can order a conveyor of any length.

MZM STANDS

The stands are supplied as part of an automatic system (MZM–1A), a semiautomatic system (MZM –1) or as separate units.

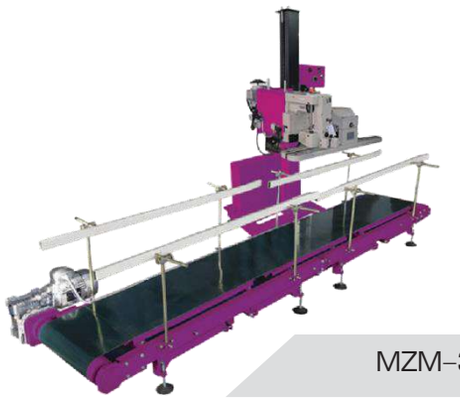
Can be equipped with the following sewing heads: New Long DS–9C, YTDS–9C, GK–35–2C, GK–38–8, GK–35–6A, GK–35–8A

On/off with a foot–operated switch or optical sensors



MZM STATIONARY SEMIAUTOMATIC MACHINES

Closing of bags made from fabric, paper, propylene and other similar materials and filled with bulk or small piece products with a single or double thread chain stitch.

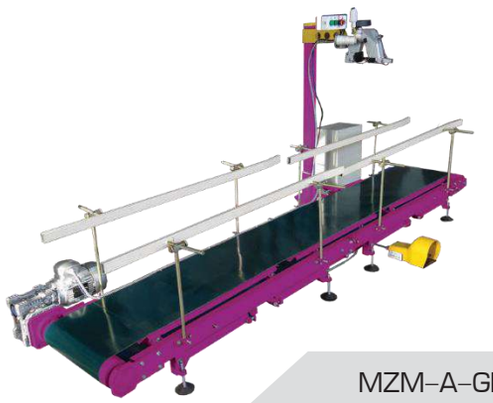


MZM–3A

THE MACHINE FEATURES:

1) a sewing head;
2) an MZM–A conveyor;
3) a stand;
4) a control panel.

On request: a customer can order a conveyor of any length.



MZM–A–GK

THE MACHINE FEATURES:

1) an MZM/GK–26 stand with a control cabinet;
2) an MZM–A conveyor;
3) a GK–26portable bag closer sewing machine;
4) a control panel.

On request: a customer can order a conveyor of any length.

MAIN ADVANTAGES:

- high performance (up to 900 bags per hour);
- quick assembly and commissioning;
- compatibility with different sewing heads;
- the sewing head can be adjusted by height which allows to work with bags of different types and sizes;
- the frame of the conveyor excludes sliding and allows for easy connection to other equipment;
- the conveyor can run both forwards and backwards;
- design of a thread holder enables to use bobbins of different types and sizes;
- the machines feature conveyor drives which are positioned near the electric cabinet for the operator's convenience.

SPECIFICATIONS

Model	MZM–3A	MZM–A–GK
Capacity, bags/hr	max 900	max 150
Stitch length, mm	depends on the sewing head	7.2
Bag height, mm	600–1100	600–1100
Voltage, V	380	220
Installed power, kW	1.35	1.19

BAG SEALING MACHINE WITH A CONVEYOR BELT

THE MACHINE FEATURES:

1) a bag sealer;
2) an MZM conveyor belt.

On request: a customer can order a conveyor of any length.

Sealing of bags made from polyethylene, polyethylene–terephthalate, polypropylene, polyvinyl chloride, polystyrol and filled with a bulk or small piece material.

The machine is equipped with a bag grabbing device and a fan for cooling the stitch after sealing.

SPECIFICATIONS

Capacity, bags/hr	max 500
Width of a sealing stitch, mm	10
Installed power, kW	1.85

GKS6/26 MAXI BAG CLOSER SEWING SYSTEM

Closing of filled bags with a single thread chain stitch.

The system features a stationary stand with an affixed portable bag closer sewing machine of the GK–26 type, a moving cart and a footswitch.

SPECIFICATIONS

Capacity, bags/hr	max 150
Stitch length, mm	7.2
Bag height, mm	600–1100
Voltage, V	220
Installed power, kW	0.09

MAIN ADVANTAGES:

- the sewing head can be adjusted by height which allows to work with bags of different types and sizes;
- absence of complex elements in the constructions ensures quick assembly and commissioning;
- the systems can be disassembled: a stand can be used in different assembly configurations, for example with an MZM conveyor belt or a roller conveyor;
- the sewing machine features a built–in mechanical thread cutter;
- if necessary, the sewing machine can be dismounted and used as a portable sewing machine,
- the system is mobile with a total weight of 50 kg;
- wear resistant switch of the electric drive enables the operator to start and stop the sewing machine multiple times during the sewing process;
- the system features a cart with a handle for transporting of bags and preventing bags from falling.

BAG CLOSER SEWING LINE WITH AN LZM LINING SEALER

The line transports filled bags made from fabric, paper, jute, polypropylene and other materials and having liners (for example, polyethylene, polyethylene–terephthalate, polypropylene, polyvinyl chloride, polystyrol liners) to the sealing station for subsequent sewing with a double thread chain stitch.

Both sealer and sewing head can be adjusted by height which allows to work with bags of different types and sizes.

THE LINE FEATURES:

1) an MZM stand;
2) an MZM–A conveyor belt;
3) a sewing head;
4) a bag sealer.

On request: a customer can order a belt or roller conveyor of any length.

SPECIFICATIONS

Capacity, bags/hr	max 300
Stitch length, mm	7–11
Bag height, mm	600–1100
Width of a sealing stitch, mm	depends of the sealer
Installed power, kW	4

INDUSTRIAL SEWING HEADS

Closing of paper, jute o propylene bags filled with bulk materials with a double thread chain stitch. The sewing heads are used in bag closer sewing machines and lines.

YTDS–9C industrial sewing head

New Long DS–9C industrial sewing head

GK 35 industrial sewing head

New Long DS–9C features a pneumatic thread cutter.
GK 35–2C, GK 35–8 features a mechanical thread cutter and a footswitch.
GK 35–6A, GK 35–8A features an automatic thread cutter and a switch actuated by an optical sensor.

SPECIFICATIONS

Model	YTDS–9C	New Long DS–9C	GK 35–2C	GK 35–8	GK 35–6A	GK 35–8A
Capacity, bags/hr	max 900	max 900	max 700	max 700	max 700	max 700
Rotation speed, rpm	2500–2700	2500–2700	2000	2000	1800	2000
Stitch length, mm	7–10.5	7–11.5	6.5–11	6.5–11	6.5–11	6.5–11
Weight (max), kg	40	45	40	40	40	40

PORTABLE BAG CLOSER SEWING MACHINES

Closing of polypropylene, polyethylene, jute or paper bags in the conditions of low–capacity manufacturing enterprises.

NEW LONG NP 7A
Universal bag closer sewing machine with an automatic lubrication

GK–9 bag closer sewing machine

GK–26 bag closer sewing machine

For convenience of operation the machines can be supplied with a counter–balance weight.
We have high quality threads and all accessories for the portable sewing machine in stock.

SPECIFICATIONS

	NEW LONG NP–7A	GK–9	GK–26
Capacity, bags/hr	200	150	150
Stitch length, mm	7.5	4–7 (adjustable)	7.2
Installed power, kW	90	75	90
Weight, kg	6	3.8	6

■ SEALERS WITH INTERMITTENT AND CONTINUOUS HEATING

Sealer with continuous heating

Sealers with intermittent heating are used for closing the bags with polyethylene, polyethylene–terephthalate, polypropylene, polyvinyl chloride and polystyrol liners. Sealers with continuous heating are automatic models with continuous heating designed for sealing of any kind of heat–sealable materials.

Heat seal length – from 600 to 800 mm.
Heat seal width – from 5 to 10 mm.

DESIGN FEATURES:

- heating elements are positioned vertically which allows to seal bags filled with bulk and liquid products;
- adjustable temperature of heating elements (the machine is equipped with 2 pairs of heating elements) and passage speed ensure high productivity and stable good quality of a heat seal.

SPECIFICATIONS

Model	QF–600	FR
Type of heating	intermittent	continuous
Installed power, kW	0.25	1.3
Dimensions, mm	800x530x1430	950x550x1300
Weight, kg	80	80

■ MZM–A CONVEYOR BELTS

Conveying of filled bags from a filling station to a sewing station.

ADVANTAGES OF MZM CONVEYOR BELTS:

- the conveyor can run both forwards and backwards;
- the frame of the conveyor excludes sliding and allows for easy connection to other equipment;
- the conveyor is equipped with a foreign–made motogear and a three–layer seamless belt.

On request: a customer can order an MZM belt conveyor of any length (manufacturing tolerance is less than 5 cm).

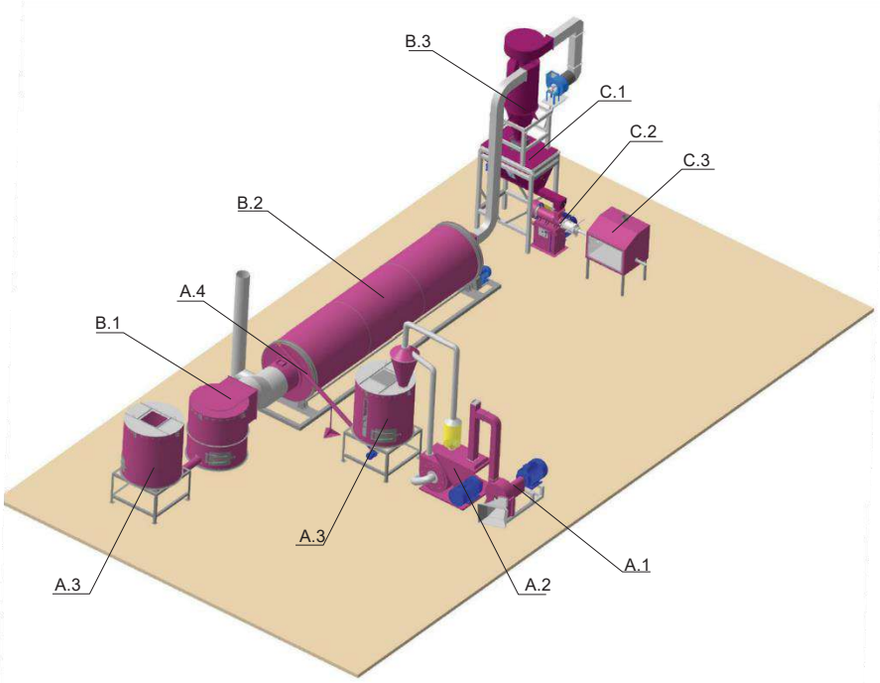
SPECIFICATIONS

Capacity, bags/hr	max 900
Conveyor belt speed, m/sec	synchronized with the sewing station
Installed power, kW	1.1

BRIQUETTING MACHINES

WOOD WASTE BRIQUETTING LINE

The line transforms wood processing residues (such as split wood, trimmings, sawdust, etc.) with the diameter up to 130 mm and maximum moisture content of 55% into Pini Kay briquettes.



SPECIFICATIONS

Capacity	500–700 kg/hr
Installed power, kW	140
Dimensions, mm	18000x9000x5800

LINE CONFIGURATION

PROCESSES

A – Grinding and preparation of raw material
B – Drying
C – Briquetting

A.1 Chipper
A.2 Hammer mill
A.3 Power–driven hopper
A.4 Screw conveyor
B.1 Heat generator
B.2 Drying drum
B.3 Cyclone with a sluice gate
C.1 Feeding hopper
C.2 Briquetting machine
C.3 Briquette cutter

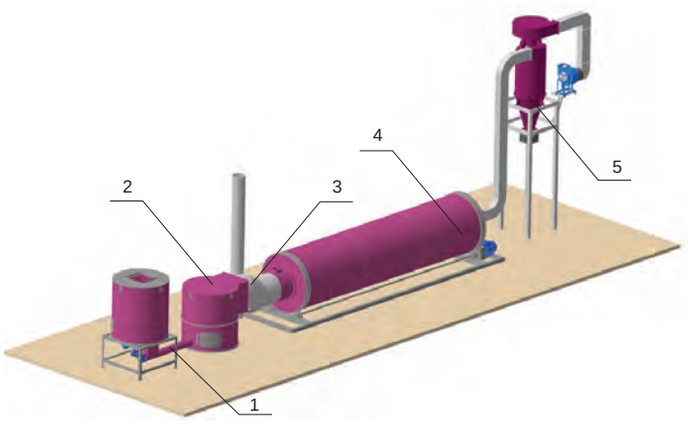
PINI KAY FUEL BRIQUETTES:

- hexagonal wood logs with holes in the middle;
- ecological fuel free from chemical additives or binding agents;
- long burn time and high heat output;
- hole in the middle improves combustion;
- hard and resistant to mechanical impacts;
- high density allows to store these briquettes outside (in the conditions of atmospheric humidity).

Pini Kay briquettes are suitable for different boilers from those used for heating of private houses to boilers on large thermal power plants.

KS–500 SAWDUST AND SHAVINGS DRYING SYSTEM

Drying of small–fraction wood waste. Principal raw materials are sawdust, shavings, small wood chips.



SPECIFICATIONS

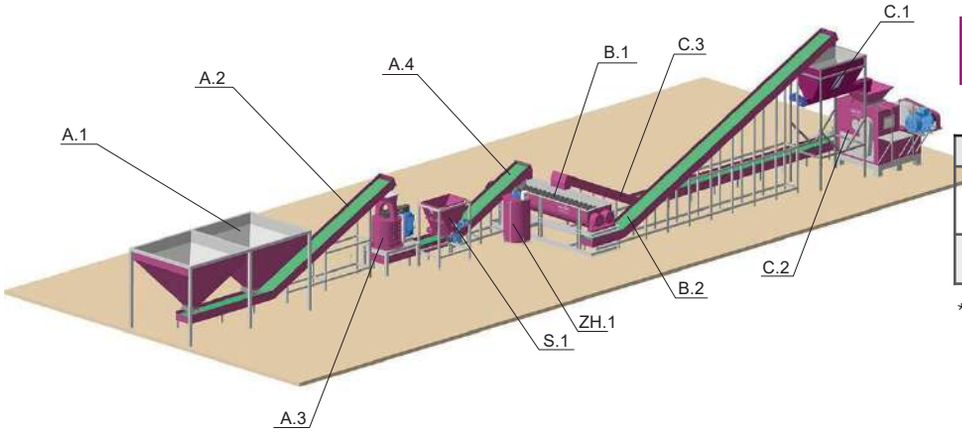
Capacity in terms of evaporated moisture, tph	0.5
Capacity in terms of a finished product with 10% moisture content obtained from a raw material with 55% relative moisture (122% absolute moisture), tph	0.5
Capacity in terms of a finished product with 10% moisture content obtained from a raw material with 33% relative moisture (50% absolute moisture), tph	1
Required space, m	18x4
Height of the dryer, m	6.5
Installed electric power, kW	23.1
Consumed electric power, kW	16.2
Maintenance personnel	1 person per shift

THE DRYING SYSTEM FEATURES:

1. Metering screw conveyor for fuel
2. Heat generator
3. Unit for drying agent preparation
4. Drying drum
5. Cyclone trap

LINE FOR BRIQUETTING OF BLACK AND BROWN COAL SIFTINGS

The line produces briquettes of various shapes from coal siftings mixed with binding agents.



SPECIFICATIONS

Capacity, tph	1–3*
Total installed capacity, kW	46
Dimensions (LxBxH), mm	22100x5000x3900

* depending on the nature of a raw material

LINE CONFIGURATION

PROCESSES

A – Raw material preparation
B – Mixing
C – Briquetting

A – Raw material preparation

A.1 Raw material hopper
A.2 Belt conveyor
A.3 Coal grinder
A.4 Belt conveyor

B – Mixing

B.1 Double–shaft screw mixing machine
B.2 Belt conveyor

C – Briquetting

C.1 Feeding hopper
C.2 Roller briquette press machine
C.3 Belt conveyor
S.1 Hopper–type batch weigher
ZH.1 Liquid component feeder

UBV ROLLER BRIQUETTE PRESS MACHINE

Production of fuel briquettes from black, brown coal, charcoal and other small–fraction materials. The machine can be used to process manganese, sludge, gypsum, carbon, silicone carbide, copper powder, iron powder and other materials into briquettes.

Depending on the nature and fraction of the raw material briquettes can be made with or without binding substances.

As an option the roller briquette press machine can be equipped with a hydraulic pre–compressor.

Obtained product – round–shaped briquettes.

DESIGN FEATURES:

- Rollers and bearings are positioned on special cushions and form a briquette shaping unit. For convenient lubrication of bearing assembly the oil cups are removable.
- Distance between rollers is regulated by the position of a hold–down cone.
- Opposite direction of rollers and rotation speed enable to catch all particles of the processed material thus ensuring required productivity.
- All rotating gear–parts and details are enclosed into protective casings to ensure operator's safety.

SPECIFICATIONS

Model	UBV–3	UBV–5	UBV–8	UBV–9	UBV–15
Capacity, kg/hr	1–3	3–5	5–7	7–10	10–15
Roller size, mm	290x200	360x250	430–250	500x300	650x350
Rotation speed, rpm	12–15	12–15	12–15	12–15	10–13
Installed power, kW	5.5–7.5	7.5–11	15–18.5	22–30	37–55
Dimensions, mm	1600x1200x1400	2100x1300x1760	2300x1500x1900	2600x1750x2100	3420x2000x2200

HYDRAULIC ROLLER BRIQUETTE PRESS MACHINE

Production of fuel briquettes from black, brown coal, charcoal and other small–fraction materials with addition of binding agents. The press has a unique hydraulic system to ensure that briquettes hold their shape.

SPECIFICATIONS

Model	UBV–1G	UBV–2G	UBV–3.5G	UBV–8G
Capacity, tph	0.5–1	1.5–2	2.2–3.5	6–8.5
Roller diameter, mm	299	367	520	750
Roller width, mm	130	160	196	280
Installed power, kW	22	37	55	185
Weight, kg	4,000	8,000	13,000	34,000

UBO–3 BRIQUETTE MAKING MACHINE

Production of briquettes from waste materials of plant origin such as sawdust, sunflower hulls as well as buckwheat, rice, oat hulls, flax shive, straw, etc.

Obtained product – hexagonal briquettes with the face width equal to 35 mm.

As an option the machine can be completed with a frequency inverter which allows setting necessary speed for each type of raw material and is especially helpful for working with raw materials with small bulk weight.

SPECIFICATIONS

Capacity, kg/hr	500–750
Motor drive power, kW	45/37
Total power of heating elements, kW	6
Heating elements, pc	3
Briquette shape	regular hexagonal
Size of the hexagonal, mm	60
Hole diameter, mm	18–20
Briquette density, t/m^3	max 1.3
Dimensions, mm	2320x1420x1700
Weight, kg	960

DESIGN FEATURES:

- heating intensity control system ensures operation in the chosen mode, maintaining the set temperature and thus reducing electric energy consumption;
- the heater design enables to quickly reach working temperatures and also replace heating elements;
- quick and easy replacement of screw feeders, when necessary.

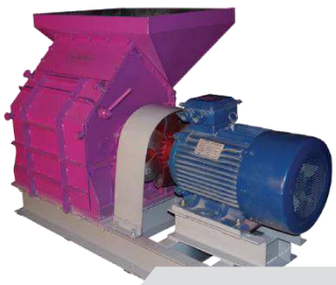
PBU PRESS MACHINE

Production of briquettes/granules from coal and charcoal dust, coal slack, turf, lignin, sapropel, manure, lime, chalk and other bulk and moldable materials. The press works both with and without binding agents depending on the properties of the raw material.

SPECIFICATIONS

Capacity, m^3/hr	max 10
Main drive power, kW	45
Total power of heating elements, kW	6
Feeder drive power, kW	4
Dimensions, mm	3100x1900x2600
Weight, kg	2500

VEGETABLE MATTER MILL



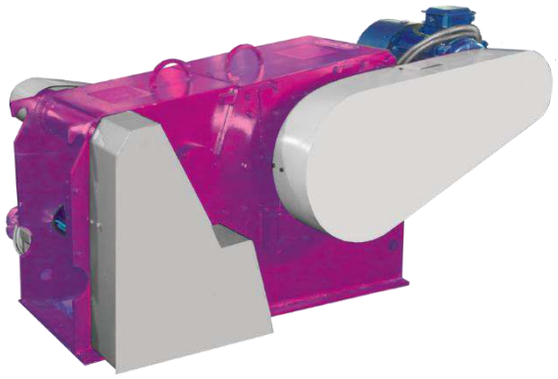
ADM–5
hammer mill

Grinding of vegetable matter into the fraction suitable for briquetting and/or pelletizing.

Detailed specifications of vegetable matter mills (hammer mills and knife mills) are available at: www.jasko.ru

CHIPPERS

Chipping of wood waste. These machines are designed for processing of logging waste, lumber waste, plywood production waste, other wood scraps and for grinding of wood shavings into smaller fraction.



MR–2
drum chipper

Drum chippers allow to regulate length, width and thickness of the produced wood shavings.

MR–1
disc chipper

Disc chippers have the option for regulation only thickness of the produced wood shavings.

MR–1N is a lift–type model with a tractor engine power take–off drive.

SPECIFICATIONS

Model	MR–2/22	MR–2/30	MR–1/18	MR–1/2	MR–1/30	MR–1N
Type	drum		disc			
Capacity, m^3/hr	max 8	max 10	max 10	max 12	max 16.5	max 20
Installed power, kW	23.6	31.5	18.5	22	30	–
Dimensions, mm	1600 2100 950	1600 2100 950	2900 1700 2800	2900 1700 2800	2900 1700 2800	1640 1440 2600
Weight, kg	1900	1955	540	610	630	260

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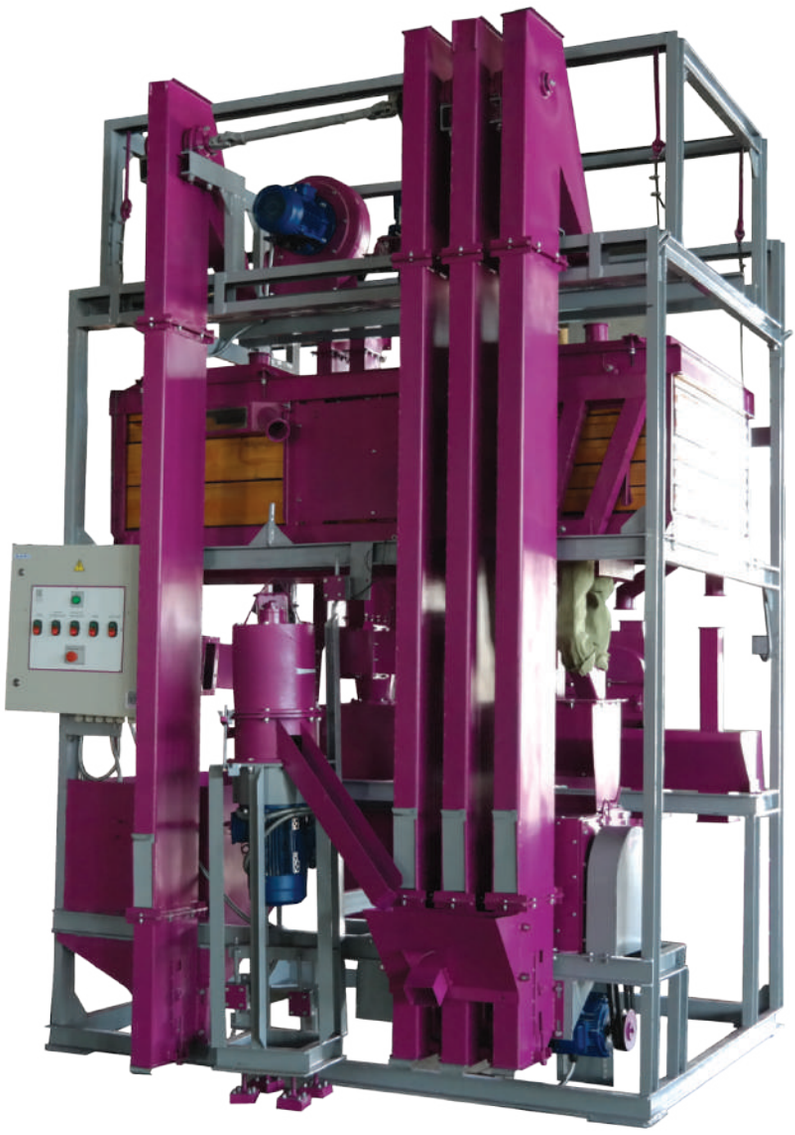
CEREAL PRODUCTION EQUIPMENT

NUT AND FRUIT PROCESSING EQUIPMENT

KRZ–6 CEREAL WORKSHOP

Production of cereals from the following grain crops: buckwheat, pea, millet, wheat, barley and corn.



MAIN ADVANTAGES:

- purification of grain crops from admixtures before processing into cereals;
- all equipment is installed on a single frame, only one control panel;
- supplied as a ready–to–operate unit, which significantly reduces installation time;
- operation is controlled by one person;
- high average capacity on a small area.

CEREAL WORKSHOP COMPOSITION:

Aspirating ventilator, collector, bucket elevator drive, sifter, siftings discharge, flexible grain pipeline, electric motor of the grinder, grain pipeline to the grinder, inspection window, aspirating cyclones, grinder, air duct of the aspiration system, roller (of huller), hopper for the product, bucket elevator of the loading mechanism (calibration unit), bucket elevator for transloading (separation), hopper for hulls, transloading hopper, hopper for initial grain product, control panel, aspiration column, workshop frame, small aspiration column.

SPECIFICATIONS

Raw material	Buckwheat	Millet	Pea	Wheat,	Barley	Corn
Capacity (min. amount of raw material processed), kg/hr	150–200	240–300	400–500	250–300	200–250	150–200
Output (min), %	60–65	60–65	70–80	70–80	70–75	70–80
Installed power, kW	17.6					
Consumed power, kW	10.6...17.6					
Dimensions, mm	2280x2600x3620					
Weight, kg	3000					
Required personnel	1 person					

MPS–3 STEAMING AND DRYING UNIT

Hydrothermal treatment of buckwheat.

MAIN ADVANTAGES:

- independent steam source;
- steam generator, steamer and dryer are mounted on a single frame and have one control panel;
- steam is generated automatically;
- if necessary, this model can be used for processing of other types of grain crops.

SPECIFICATIONS

Capacity, kg/hr	140
Power, kW - installed - consumed	 75 50–55
Dimensions, mm	2600x2900x3850
Weight, kg	1800
Required personnel	1 person
Dimensions, mm	1750x1420x1530
Weight (max), kg	275

MSH–0 HULLING MACHINE

Oat hulling, production of cereals and compound animal feed, sunflower seeds hulling.

SPECIFICATIONS

Capacity, tph	max 3
Efficiency of one cycle, %	80
Electric motor rotation speed, rpm	3000
Installed power, kW	7.5
Dimensions, mm	1700x1100x1370
Weight, kg	600

USH–1M PEANUT SHELLING MACHINE

Separation of peanut kernels from shells.

DESIGN FEATURES:

- hoppers (both intake and shelling) are made from food grade stainless steel;
- intake hopper is equipped with a sliding gate to adjust the working capacity;
- start and stop of the aspiration drive are performed from the button control station on the motor frame.

MAIN ADVANTAGES:

- the machine can process not calibrated peanuts;
- peanut kernels are not broken during deshelling.

SPECIFICATIONS

Capacity, kg/hr	200
Installed power (total), kW	1.85
Dimensions, mm	800x640x1580
Weight, kg	80

USK CONVEYOR DRYER

Forced drying with heat of food items, such as potatoes, vegetables, fruits, grains, medicinal herbs, tea, berries, etc in closed heated spaces.

The USK dryer uses the method of high–temperature drying with intermittent infrared radiation combined with air cooling. Heating with infrared light is multiple times more effective than heating with hot drying air.

SPECIFICATIONS

	USK–5	USK–7	USK–9	USK–11	USK–15
One load, kg	100	150	200	250	300
Number of belts	5	7	9	11	15
Belt width, mm	900				
Heating elements, pc	55	77	99	121	165
Power of 1 heating element, kW	0.6				
Drying temperature, °C	70				
Height, mm	1840	2100	2365	2600	2880
Length, mm	10100	10100	10400	10400	10400

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INTER-STAGE TRANSPORT

BUCKET CONVEYORS

Moving of bulk materials such as grain crops and processed grain products in a vertical path.

On customer's order a bucket conveyor can be equipped with:
- a control device (speed control and belt drift sensors);
- a pressure venting system;
- a brake device for backward movement.

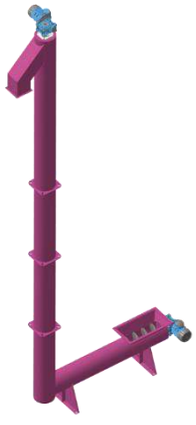
SPECIFICATIONS

Capacity, tph	Lifting height, m
from 5 to 175	4; 8; 10; 15; 20
from 100 to 175	40; 60

SCREW CONVEYORS

SHSS SCREW CONVEYORS

Moving of bulk materials to small distances (generally up to 15 m in a horizontal path and up to 6 m in a vertical path).



AVAILABLE CONFIGURATIONS:

- pipe diameter from 100 to 300 mm;
- frame options: screw inside a pipe or in a gutter (U-shaped screw).

Screws can be custom made on order. Possible options:

- different shapes on the intake part (cone, basket, hopper)
- hoppers with a required capacity
- for moving of materials in a horizontal, vertical direction or at an incline
- with different kinds of supports
- with the total length from 1 to 15 meters
- adjusted for any required productivity rate
- V-belt drive or motogear
- from different grades of stainless and construction steel.

SPECIFICATIONS OF STANDARD MODELS

Screw conveyor model	Pipe diameter, mm	Flight screw diameter, mm	Screw lead, mm
SHSS-160	160	135	150-180
SHSS-200	203	184	200
SHSS-250	250	225	240-260

SHS-134P SCREW CONVEYOR WITH HEATING

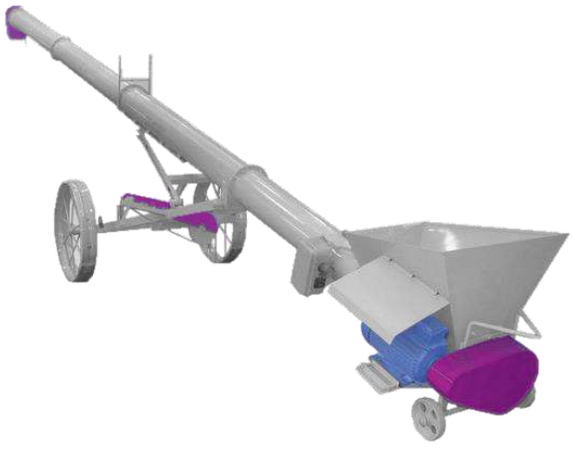
Moving and heating of oilseeds fed to the vegetable oil extraction line. This conveyor can be used in other technological processes which require heating of transported bulk materials (for example, sawdust, seed meal, etc.).

SPECIFICATIONS

Capacity (for rape seeds), tph	0.8 – 1.4
Conveyor length, m	4.8
Electric motor power, kW	2.2
Heating element power, kW	24

* On request: we can manufacture conveyors of any required length.

SHKP-50-01 MOBILE SCREW CONVEYOR



Intake of bulk materials (for example, grains, cement, etc.) from a SHRV-50-01 screw unloader of hopper cars and subsequent loading into trucks or unloading into storage clamps.

SPECIFICATIONS

Capacity, m^3/hr	85
Screw diameter, mm	250
Installed power, kW	7.5
Release altitude, mm	2300-7100
Dimensions, mm	10600x1810x2620

SHRV-50-01 SCREW UNLOADER OF HOPPER CARS

Unloading of bulk materials (such as grain crops, cement, etc.) from railway hopper cars in the areas not equipped with stationary unloaders.

SPECIFICATIONS

Capacity, m^3/hr	85
Horizontal screw diameter, mm	130
Inclined screw diameter, mm	260
Drive power of an inclined screw, kW	4
Drive power of horizontal screws, kW	3
Distance from a railway car, mm	2436
Dimensions, mm	4180x1138x1850

BELT CONVEYORS

■ KL BELT CONVEYORS

General purpose stationary belt conveyors for moving of various cargoes.

We can manufacture belt conveyors of any length and width for your unique application.

Possible designs:
- straightline and grooved;
- horizontal and inclined;
- stationary and mobile;
- adjustable angle models.

■ LST BELT AND DRAG CONVEYORS

We can manufacture belt conveyors of any length and width for your unique application.

Possible designs:
- straighline;
- L–shaped;
- Z–shaped.

■ LRV–150 BELT UNLOADER OF HOPPER CARS

Unloading of grain crops, grain processed products, cement, sand and other bulk materials from hopper–type railroad cars.

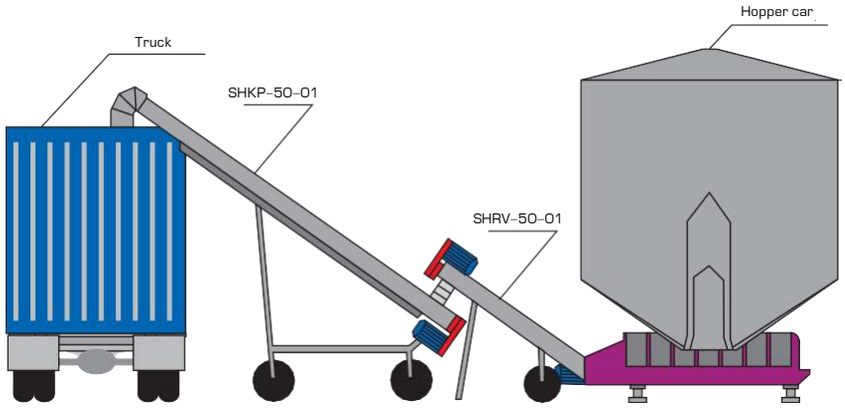
Unique design of the collecting tray and high capacity of the LRV 150 belt conveyor make it truly one of a kind in its category.

SPECIFICATIONS

Capacity, tph	150
Belt width, mm	500
Installed power, kW	4

HOPPER CAR UNLOADING SYSTEM

Transfer of bulk materials (such as grain crops, cement, etc.) from hopper–type railroad cars into trucks.



The system is composed of a SHRV–50–01 screw unloader and a SHKP–50–01 mobile screw conveyor.

SPECIFICATIONS

Equipment	SHRV–50–01	SHKP–50–01
Capacity, m^3/hr	85	85
Installed power, kW	7	7.5
Dimensions, mm	4180x1138x1850	10600x1910x2610

TMP BELT CONVEYORS FOR BAG HANDLING

Moving of bags, boxes and other package cargoes at a distance of 6 to 10 meters.

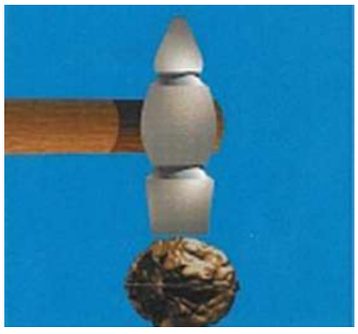
SPECIFICATIONS

	TMP–6	TMP–10
Capacity, tph	30	60
Belt width, mm	500	500
Installed power, kW	2.2	3
Belt speed, m/sec	0.6	0.9
Release altitude in a horizontal position, mm	910	910
Release altitude in an inclined position, mm	1800	2900
Dimensions, mm	6235x1000x910	10250x1000x910
Weight, kg	549	848

HISTORY

JASKO's history is a great example of how a company in no way connected to primary resources and with no preferential advantages gained from the economic system of the Soviet Union became profitable. The success was achieved through application of matured experience and intuitive understanding of the market requirements. Among numerous possible development strategies the company's management chose to focus on manufacture and distribution of machinery for processing of agricultural produce.

Today JASKO Joint–Stock Company is a large engineering enterprise and manufacturer of technological equipment for various industrial and agricultural applications.



1992

On April 28, 1992 Roboty Engineering Bureau was transformed into JASKO Ltd.

The new company was established by the employees of the engineering bureau with the assistance of the Volgograd region Association of Businessmen. Scientific background and vast experience of the engineering personnel enabled to start manufacturing and distribution of technological equipment for food and processing industries.

1998

The company was reorganized into JASKO Closed Joint–Stock Company.

JASKO for the first time participated in a trade exhibition. Since then the company demonstrated its products in numerous exhibition spaces in Kazakhstan, Uzbekistan and Belarus. We are a regular participant of well–known international events, such as Agromash, Cereals–Mixed Feed–Veterinary, YugAgro, Agrofarm, etc. as well as other large–scale events in foreign countries. In 2018 Jasko presented its equipment in two new countries – Vietnam and Egypt.

2001

Jasko was one of the first enterprises in Russia to launch manufacture of extruders, which became one of our key activities. Over the years Jasko mastered production of bag closing machines, weighing hoppers, pneumatic conveying systems, oil press machines, briquetting machines and cereal workshops.

2005

We registered JASKO trademark. As of today the company holds several trademarks, i.e. JASKO, ЖАСКО (JASKO), EXTRUTEC, ПАРОМЕТ (PAROMET), BRONTO, ПНЕВМОСИЛА (PNEVMOSILA).

2006

JASKO is a member of the Volgograd Chamber of Trade and Commerce since 2006. We participate in the most important regional and nation–wide business events.

2007

JASKO started collaboration with the Volgograd State Agricultural University. We actively work with numerous scientific and research institutions and take part in conferences and workshops.

2009

Jasko registered the patent "Briquetting Method and Briquetting Machine". We continuously develop and modernize our equipment. As of today our company holds several patents.

2015

The company was transformed into JASKO Joint–Stock Company.

The Ministry of Industry and Trade of the Russian Federation added JASKO JSC on the list of import–substituting productions. The import substitution policy laid the foundations and became the priority of our development strategy. Within the framework of the adopted strategy JASKO JSC is now supplying production companies with the technological equipment of Russian design which is on par with the best European examples.

2017

JASKO manufactured its 500th extruder – the new PE–1100 model which was presented to the public during the exhibition Cereals–Mixed Feed–Veterinar–2018.

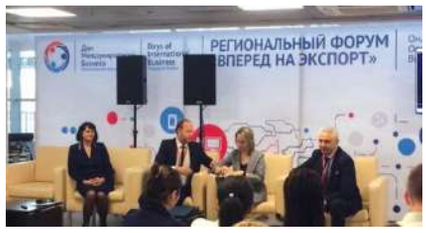
2018

JASKO was included to the Catalogue of the export companies of the Volgograd region.

Our universal extruders became award–winners of the All–Russian contest "100 Best Goods of Russia".

2019

Our engineers designed an amaranth processing line which allows to obtain the following products from amaranth seeds: oil, seed cake, cereal (or flour). Our export–focused strategy has yielded good results: export sales grew by 4 times as geography of our supplies significantly expanded.



JASKO JSC is an innovative company and a regular participant of numerous trade events and specialized exhibitions. We hold several trademarks and patents.

Electronic catalogue

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Our Youtube channel

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