

manufacture automation equipment



Catalogue 2025-2026



KONSORT

KONSORT

We are a technology partner for entrepreneurs. For those who invent, create, test, recycle, launch and re-invent something every day. We can help you to improve your business and to bring it to a new level of efficiency. We manufacture different equipment for production automation and logistics such as roller tables, calibrators, conveyors, lines for transportation, sorting and processing, and even such things that have not been invented yet.

«KONSORT» is a new stage in the development of the «SMS» company which has gone a long way from repairing the first pallet truck to building a large plant for warehouse equipment and machinery production. We have long gone beyond warehouse equipment and now we manufacture different equipment for industrial automation (B2B) in logistics, industrial, agricultural and environmental areas. We have gradually become a market leader and we continue our development and constantly look for new ideas for further growth.

Why you should choose us?

Personal managers who fully understand the specifics of your business and could work in your production. Mobile service support available throughout Ukraine. And the most important fact is that the engineers will design and manufacture individually for the needs of a particular business. The maximum production time for an order is 15 days, but each time we try to do it faster and make everything ready before the stated deadline.

Today we meet European quality standards (ISO, CE), cooperate with large international companies and have 22 own service sites in Ukraine and 17 foreign representative offices.

Let's work together!

Awards

Business Award 2023

As a result of the company's hard work, we have won the Ukrainian Business Award, which recognises the most successful companies in their business segments.

Zirka yakosti 2022

The National Rating of the Quality of Goods and Services recognised us as a leading company in the industrial sector.

Leader of the Year 2018

The honorary title «Leader of the Year» is awarded to those companies that are included in the top industry rating according to the analysis of their financial and economic indicators.

Leader of the Year 2017

The rating program aims at defining the leading enterprises in various areas of the Ukrainian economy that have achieved significant financial success and gained the trust of their partners and consumers.

ISO – standard 9001:2015

Lean technologies implemented at the enterprise helped us to obtain a certificate of the ISO quality system series, compliance with international standards (International Organization for Standardization).

Rotary International

A member of Rotary, an international organization whose main goal is to unite business and professional leaders in order to provide humanitarian services and promote goodwill and peace throughout the world (non-political and non-religious organization).

Ukrainian Entrepreneurs Union

Partner «SUP». It is a united force of independent Ukrainian entrepreneurs, created outside of political interests in order to protect entrepreneurs' interests and create a favorable business environment in Ukraine.



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01

Complex lines

Economic effect



productivity:
+400%



product quality:
+400%



safety:
+200%



expenses:
-200%

KONSORT

Warehouse and logistics

Line for sorting small cargo (up to 2 kg)

This sorting system is designed to distribute cargo from 2 ports to an unlimited number. The port configuration for cargo forwarding can be changed, depending on the needs of the customer. Sorting with the pneumatic principle of operation means fast distribution of cargo due to air supply by means of a compressor to the discharge mechanisms that drive the pneumatic cylinders. As the cargo moves along the line, it goes through such stages as presorting, loading and scanning of the cargo, distribution to the certain sorting line, which depends on the specific direction indicated on the bar code, and delivery from the cargo distribution line to the ports (in the directions specified by the code). It is also possible to complete such lines with components depending on the performance you need and number of the directions.

Technical characteristics:

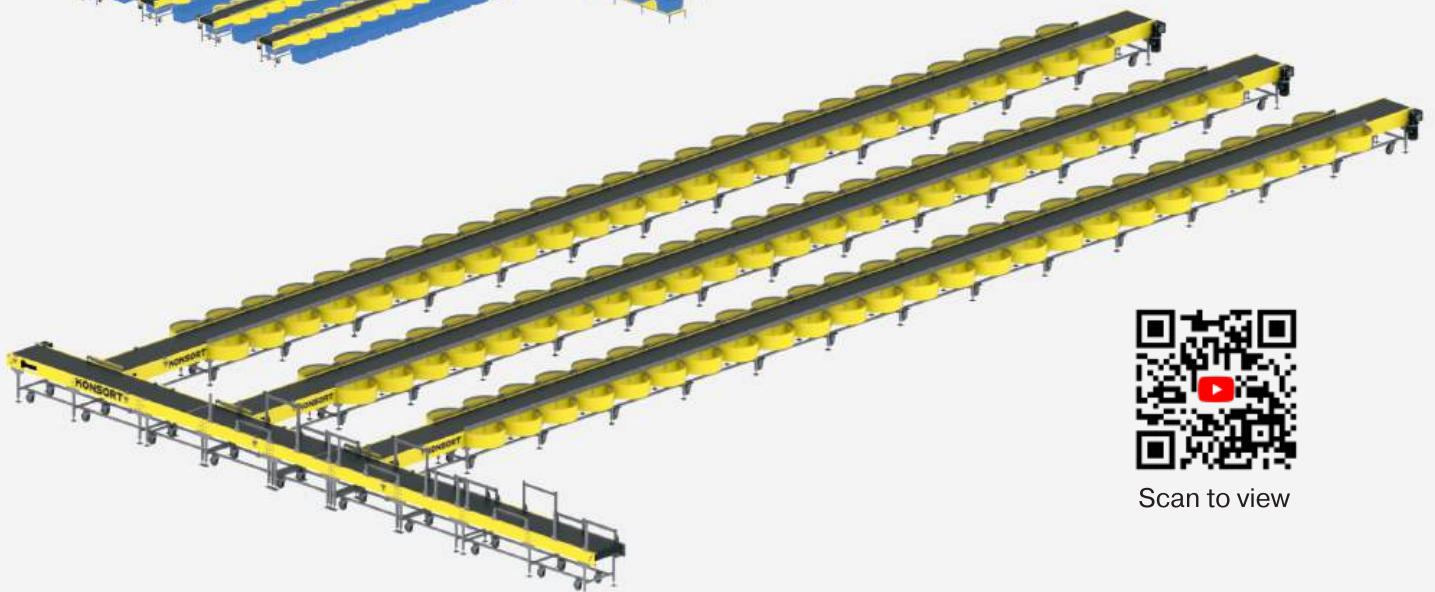
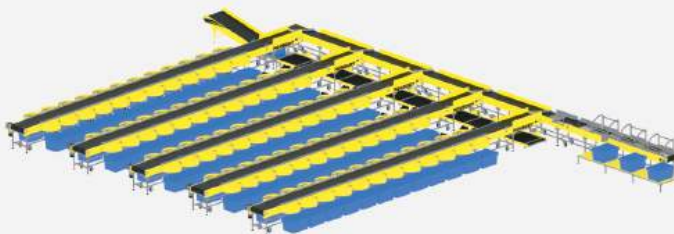
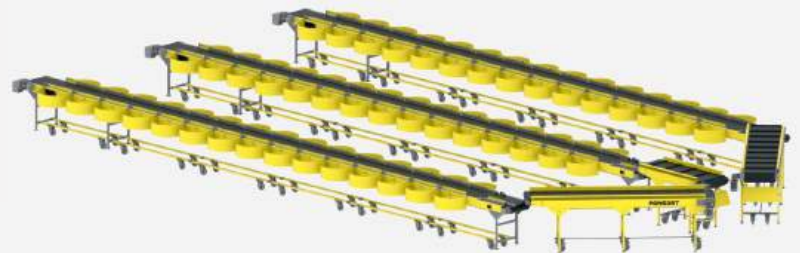
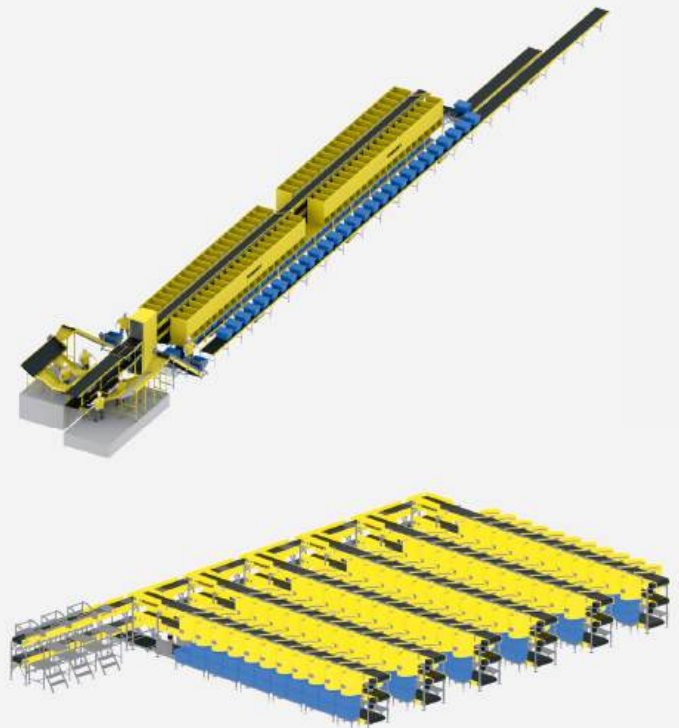
Overall dimensions – 30 000 x 15 000 x 1 000 mm

Line productivity – 3 600 units of loads per hour

Overall dimensions and number of sorting directions may be changed depending on customer productivity and needs.

The sorting system can be equipped with the automatic scanner.

The equipment can be designed according to individual parameters necessary for the customer.



Scan to view



Line for sorting small cargo (up to 2 kg)



Cargo sorting line (2 to 60 kg)

This sorting line is carried out according to the pneumatic principle of operation, which means fast distribution of cargo due to air supply by means of a compressor to the discharge mechanisms that drive the pneumatic cylinders. This sorting system is designed to distribute goods, and parcels in 120 directions (3 lines of 40 ports each). As the cargo moves along the line, it goes through such stages as presorting, loading and scanning of the cargo, then distribution to the certain sorting line, which depends on the specific direction indicated on the bar code, and delivery from the cargo distribution line to the ports (in the directions specified by the code). The productivity of one sorting process is up to 3 600 units per hour. The total productivity is up to 7 200 units per hour. The line equipment can be changed, depending on the required performance and number of the directions.

Technical characteristics:

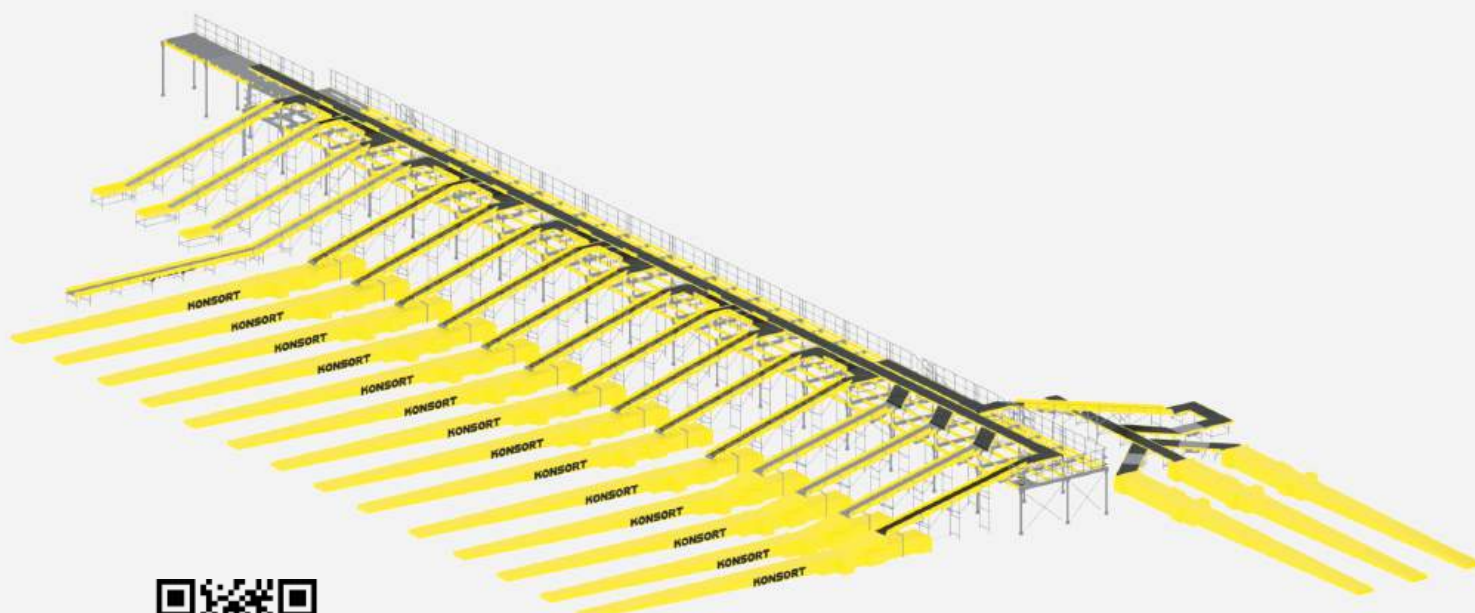
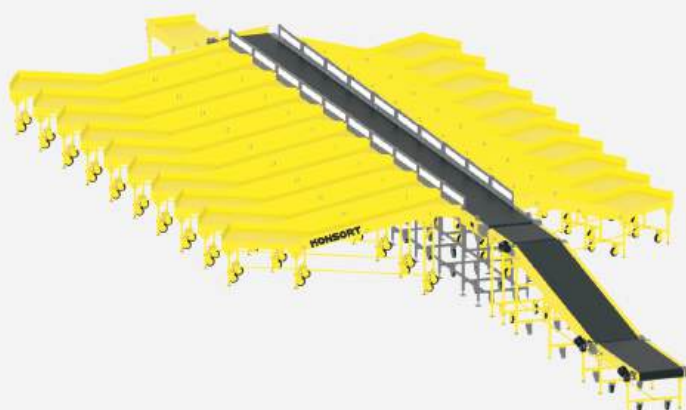
Overall dimensions – 20 000 x 15 000 x 1 000 mm

Conveyor for loading – 1 unit

Pneumatic reset conveyor – 3 units

Automatic scanner – if necessary

The equipment can be designed according to individual parameters necessary for the customer.



Scan to view

Oversize sorting line (over 60 kg)

This sorting line is carried out according to the pneumatic principle of operation, which means fast distribution of cargo due to air supply by means of a compressor to the discharge mechanisms that drive the pneumatic cylinders. This sorting system is designed to distribute goods, and parcels from 2 ports to an unlimited number. The port configuration for cargo forwarding can be changed, depending on the needs of the customer. As the cargo moves along the line different stages take place such as presorting, loading and scanning of the cargo, distribution to the certain sorting line, which depends on the specific direction indicated on the bar code, and delivery from the cargo distribution line to the ports (in the directions specified by the code). The performance of the presented line is 3 600 loads or parcels per hour. The line equipment can be changed, depending on the required performance and number of the directions.

Technical characteristics:

Overall dimensions – 30 000 x 15 000 x 1 000 mm

Line productivity – 3 600 units of loads, parcels per hour

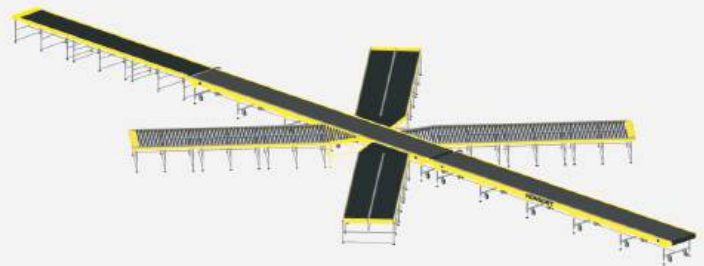
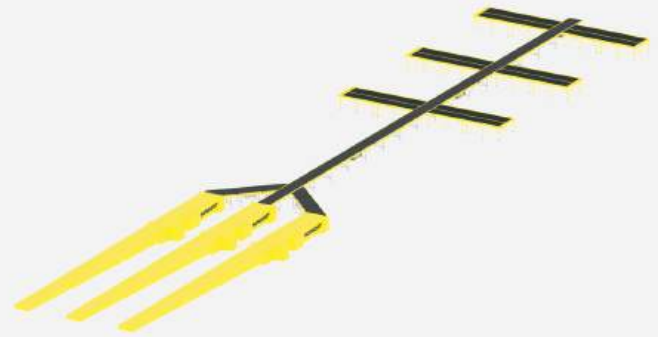
Conveyor for parcels loading – 1 unit

Gravity roller conveyor – 20 units

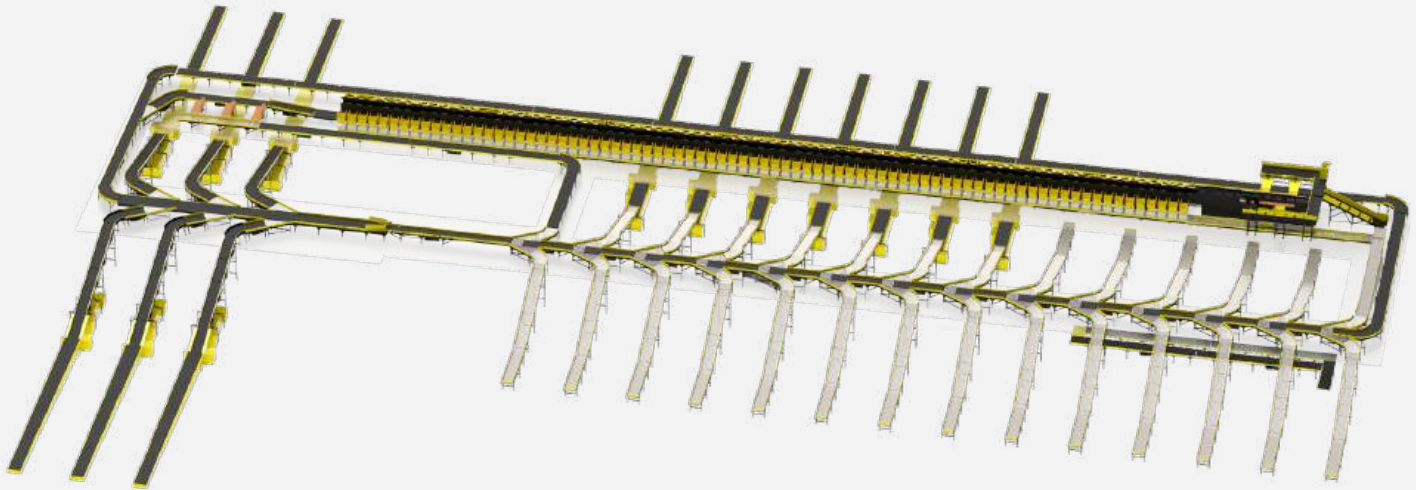
Pneumatic reset sorting system

Automatic scanner – if necessary

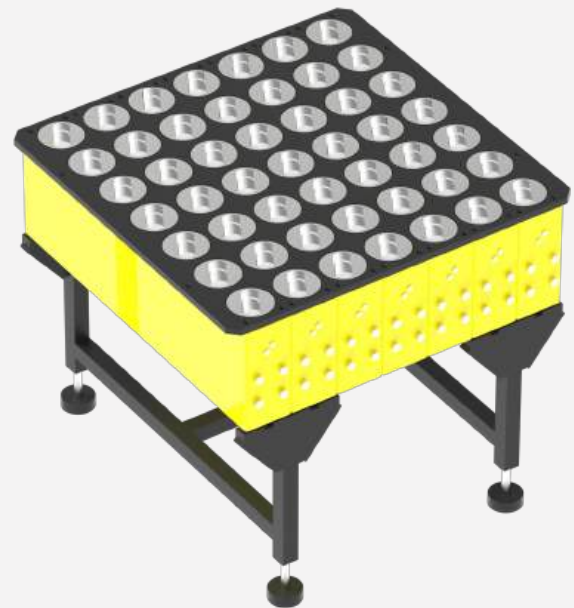
The equipment can be designed according to individual parameters necessary for the customer.



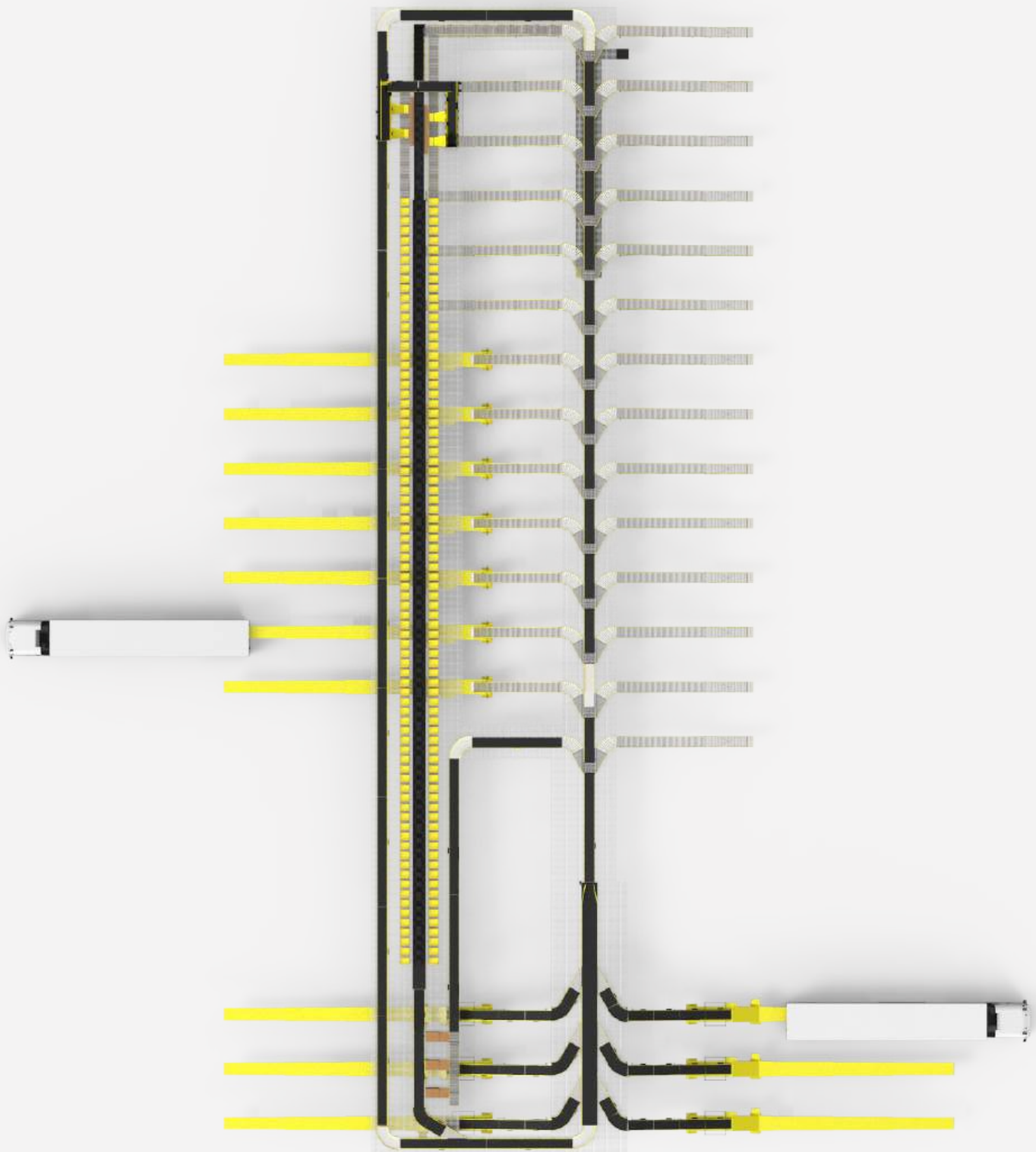
Sorting line «Swivel sorter»



1. Parcels are placed by operators on telescopic conveyors. It is possible to unload six vehicles at once.
2. Next, the parcels are transported by lifting conveyors to the main sorting line, which is located at a height of 3.3 m. With the help of a written algorithm for the operation of conveyors, the parcels are lined up in the correct order for further scanning.
3. The process of scanning parcels takes place in five planes, which virtually prevents the possibility of mistakes by the scanning device (Sick, Germany) in reading the barcode. After the parcels pass through the scanner, the main line already «understands» which of the specified directions the parcel should be redirected to.
4. Redirection is carried out automatically by the Swivel sorter conveyors, which have the ability to redirect parcels at an angle of 45 degrees in both directions. With this mechanism, using a small footprint, we were able to double the number of options for directions. This line can sort 28 destinations.
5. The line provides for possible «unscannable» shipments due to damaged or duplicated barcodes, or parcels not being removed from a full redirecting port. Such parcels are sent to the end of the line and get to the Overflow line, where they are moved for re-sorting.
6. Parcels with a damaged barcode that cannot be scanned are sent to the manual barcode labelling area. After that, it is sent back to the line.
7. Polyboxes with small cargo will also be moved through the main line. A separate direction has been provided for them, along which the boxes will enter an area for small cargo sortin.



Swivel sorter and surface with rollers



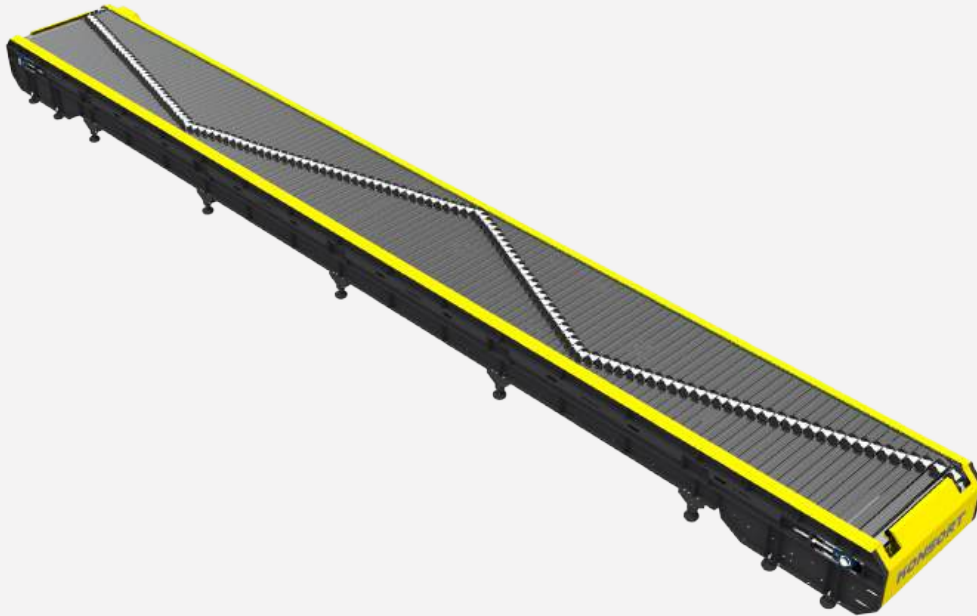
Technical characteristics:

- Capacity is 7000 parcels per hour
- Parcel redirection to 28 destinations without human intervention
- Automatic scanning of parcels from five sides
- Percentage of unscanned parcels up to 1%
- Possibility to increase the number of directions at the request of the customer



Scan to view

Shoe Sorter parcel and cargo sorting line (9000 parcels/hour)



Shoe Sorter, or slat sorter, consists of a long straight conveyor belt with dense rows of aluminium slats. On each of these strips, «shoes» move, which are the main sorting mechanism. The sequentially programmed movement of the shoes along the slats forms a diagonal guide that moves the parcel to its redirecting port. Sorting capacity up to 9 000 parcels/hour.

Operation principle:

1. The parcel is scanned automatically from five sides, and its data is transferred to the line's operating system.
2. The cargo moves further along the conveyor where the diverting shoes, forming a diagonal, direct the parcel to the appropriate redirecting port. The number of ports is unlimited.
3. Sensors and a control system automatically form a line, which prevents congestion after the parcels are loaded.

Fast and accurate sorting of goods makes Shoe Sorter conveyor popular in many industries. The Shoe Sorter conveyor system provides smooth deflection at different speeds for slower and faster flow rates. It can be used for loads of different sizes, shapes and weights. It is ideal for sorting when the product is fragile or easily damaged and requires a smooth and gentle movement from the sorter to the discharge lane. Single and double deflectors are available and can be configured to suit the design of a particular conveyor system.

The system can be fully adapted to the customer's needs.

Sorting capacity – 9 000 parcels/hour

Speed – up to 5 m/s

Accuracy – up to 99,99%

Unlimited number of ports



Scan to view

Modular sorting system with sliding trays «LR-sorter»

The LR-sorter is designed to sort a wide range of products into the provided channels. The vertical layout allows sorting on both sides (left/right – LR), maximising the number of bins in a limited space. The sorting can be bi-sided or one-sided. This compact solution is based on the time-tested slide tray sorter technology. Due to its layout, the system does not require a large storage space and is very suitable for projects in areas with limited space. This sorter is often used for sorting outgoing goods, but can also be adapted to processing returns. The LR-sorter has been designed with a future-proof perspective, and the system is flexible due to its modular design, which is easily expandable.

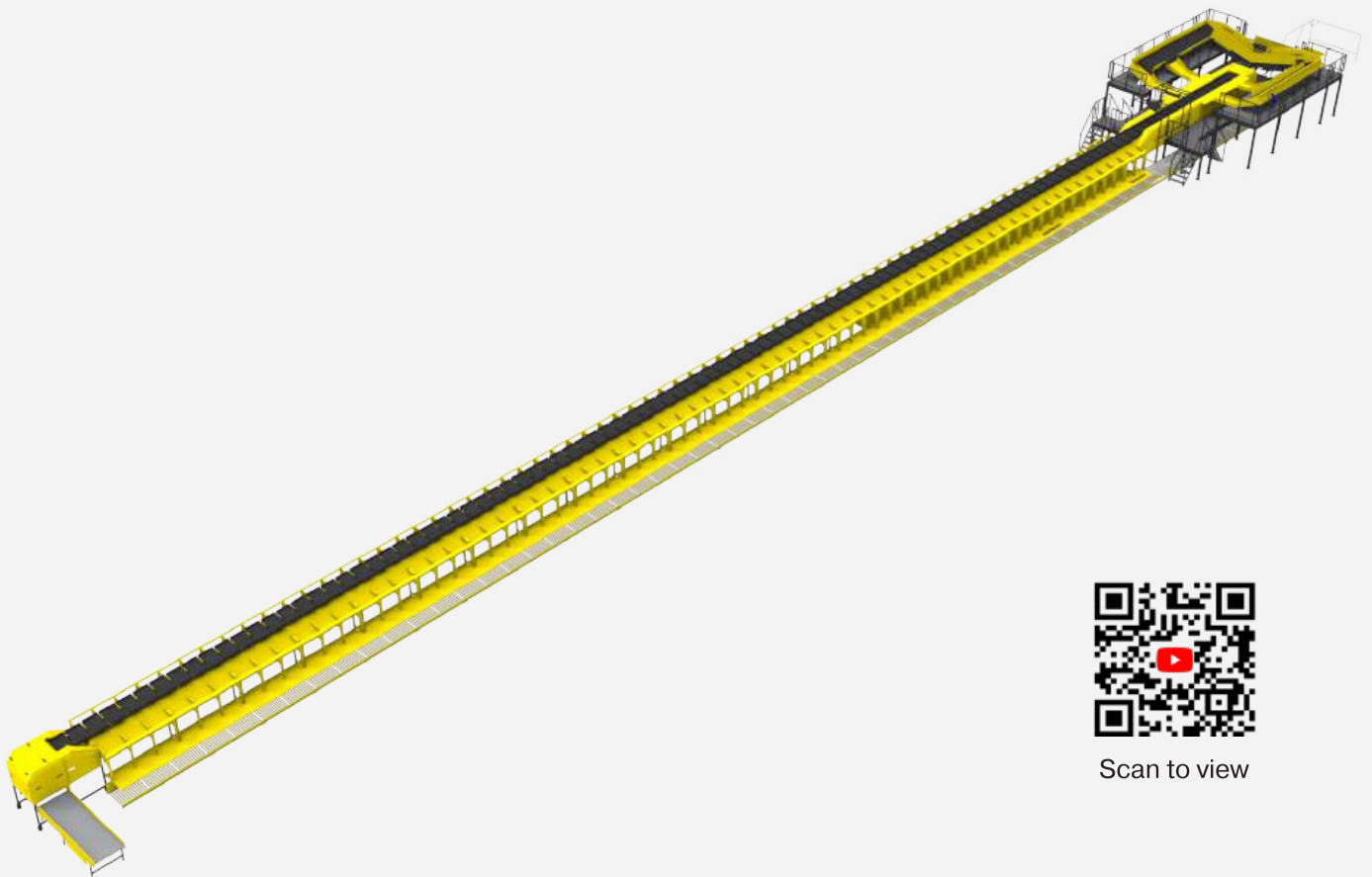
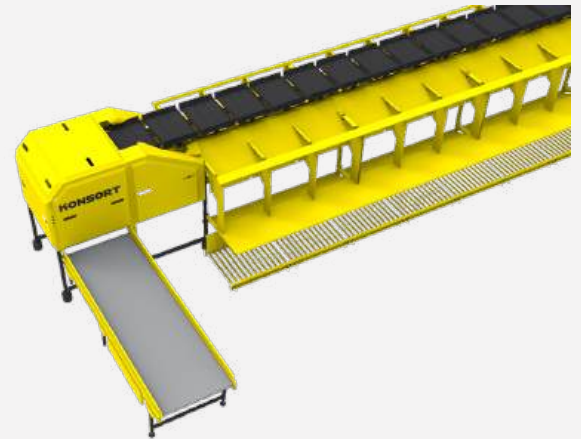
Technical characteristics:

Sorting capacity – up to 9 000 parcels per hour

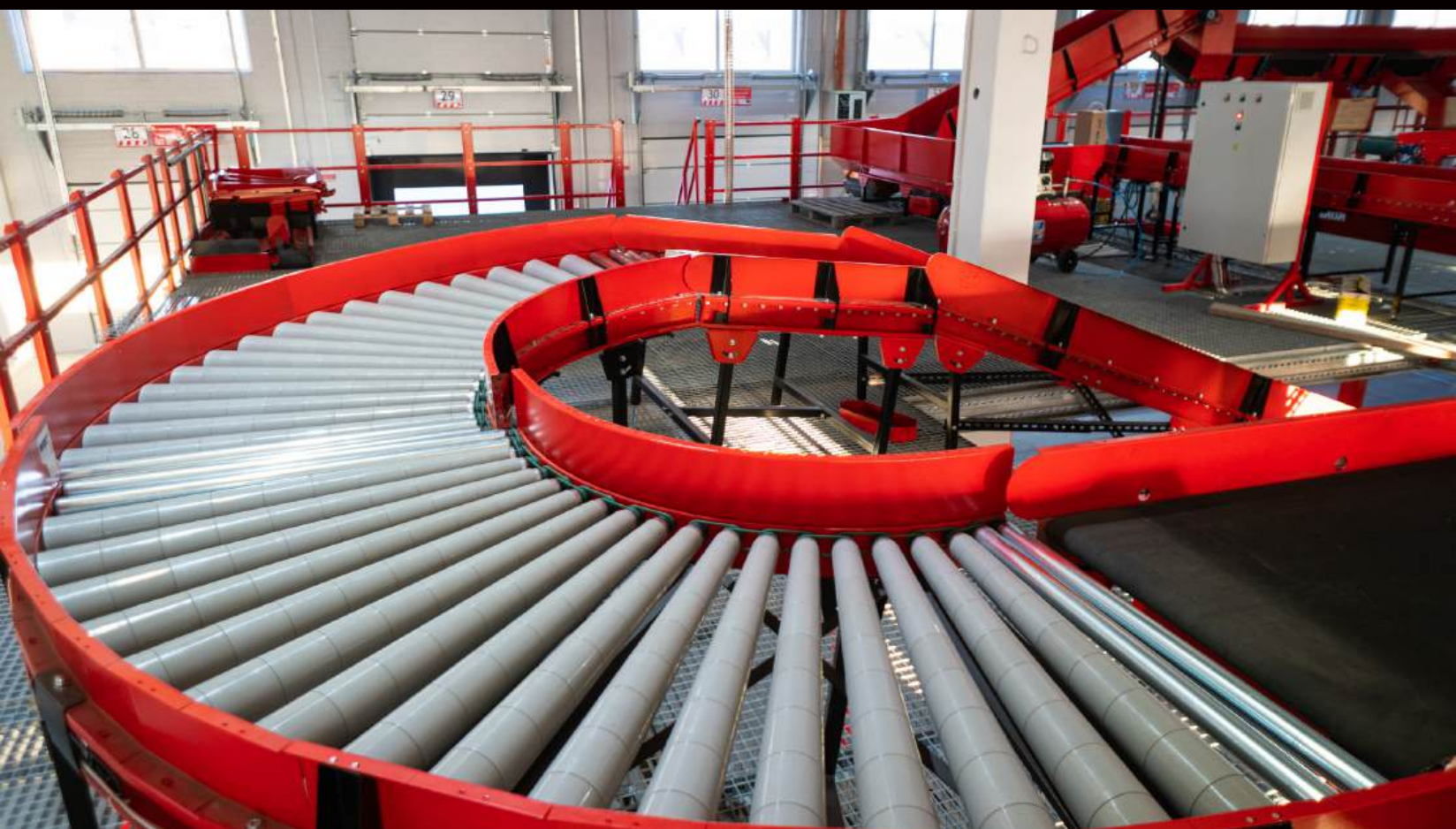
Maximum load capacity – 600 x 400 x 400 mm

Maximum load weight – up to 15 kg

The range of goods includes envelopes, parcels, e-commerce, clothing, etc.



Scan to view



Sorting line «Swivel sorter»



Agricultural business

Line for processing nuts

Walnut processing equipment will help you to increase productivity and to optimize working processes, which eventually leads to profit growth and cost reduction. Our company has an extensive experience in production of lines for walnuts processing and we are ready to help you to choose the best equipment for high-quality processing of walnuts.

Line components:

Rotary calibrator
Nutcracker
Inclined conveyor
Vibration calibrator
Inspection table

Technical characteristics:

Productivity – 500 tons per hour
Electric power consumption – 5 kW per hour
Continuous line operation – 8 hours
Stop for technical inspection – 2 hours
Number of working shifts – 2
Number of staff for one shift (8 hours):
sorting operator – up to 6 people
line operator – 1 person

The equipment can be designed according to individual parameters necessary for the customer.



Line for garlic and onion

An automated line for industrial processing of garlic and onions is designed to process agricultural products in the food production cycle. The garlic line equipment is custom-made, in accordance with the required productivity and packaging type specifics of the finished product. This automated equipment makes it possible to process agricultural products at a speed of up to 10 tons per hour.

Line components::

Container tipper – 1 unit

Receiving hopper – 1 unit

Inclined frame conveyor – 1 unit

Bar inspection table – 1 unit

Brush roller conveyor – 1 unit

Inclined frame conveyor – 1 unit

Belt calibrator – 1 unit

Turning conveyor with reverse – 1 unit

Technical characteristics:

Overall dimensions – 24 700 x 1 600 x 5 000 mm

Electric power consumption – 7 kW per hour

Continuous line operation – 8 hours

Stop for technical inspection – 2 hours

Number of working shifts – 2

Number of staff for one shift (8 hours):

sorting operator – up to 8 people

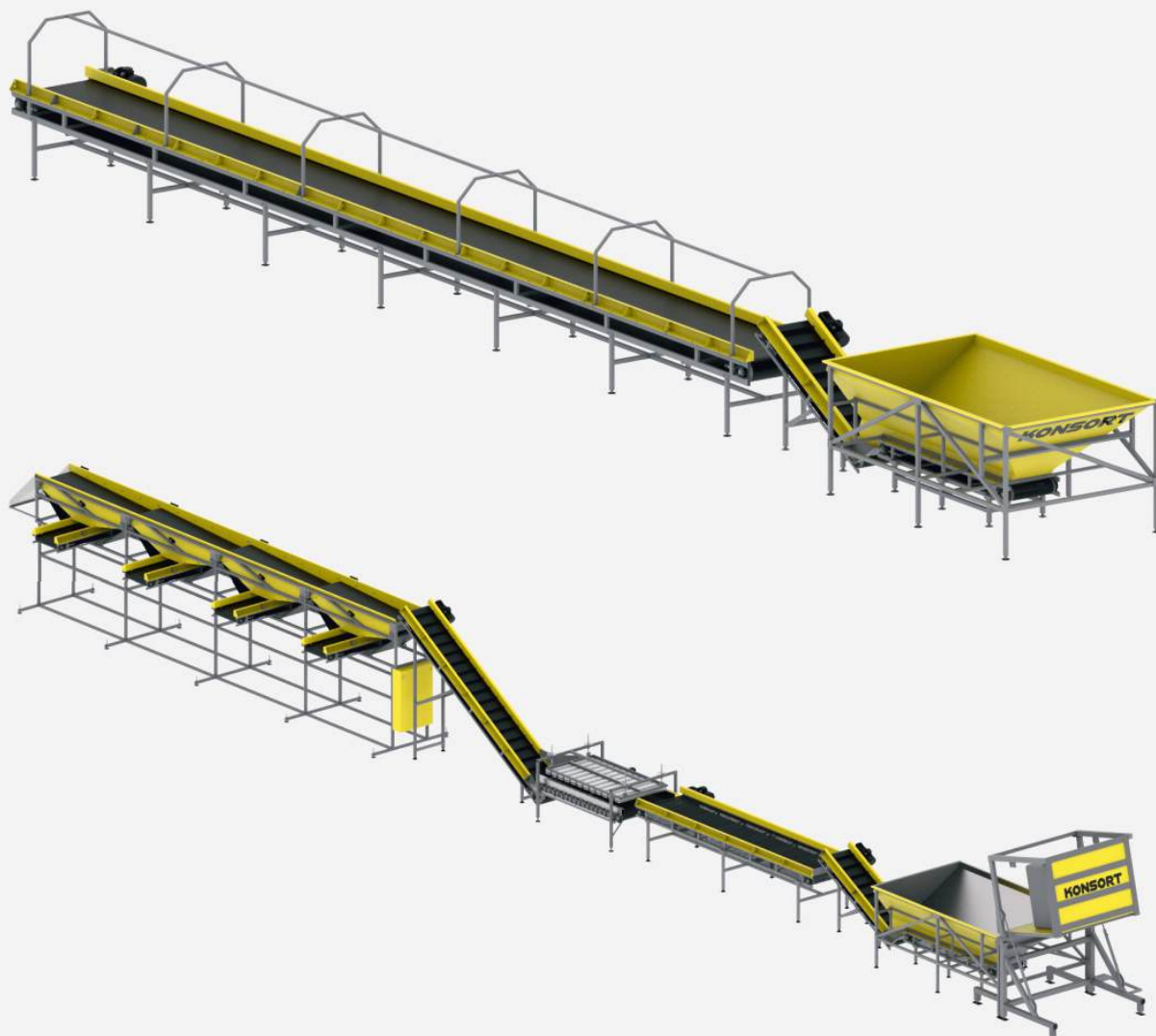
line operator – 1 person

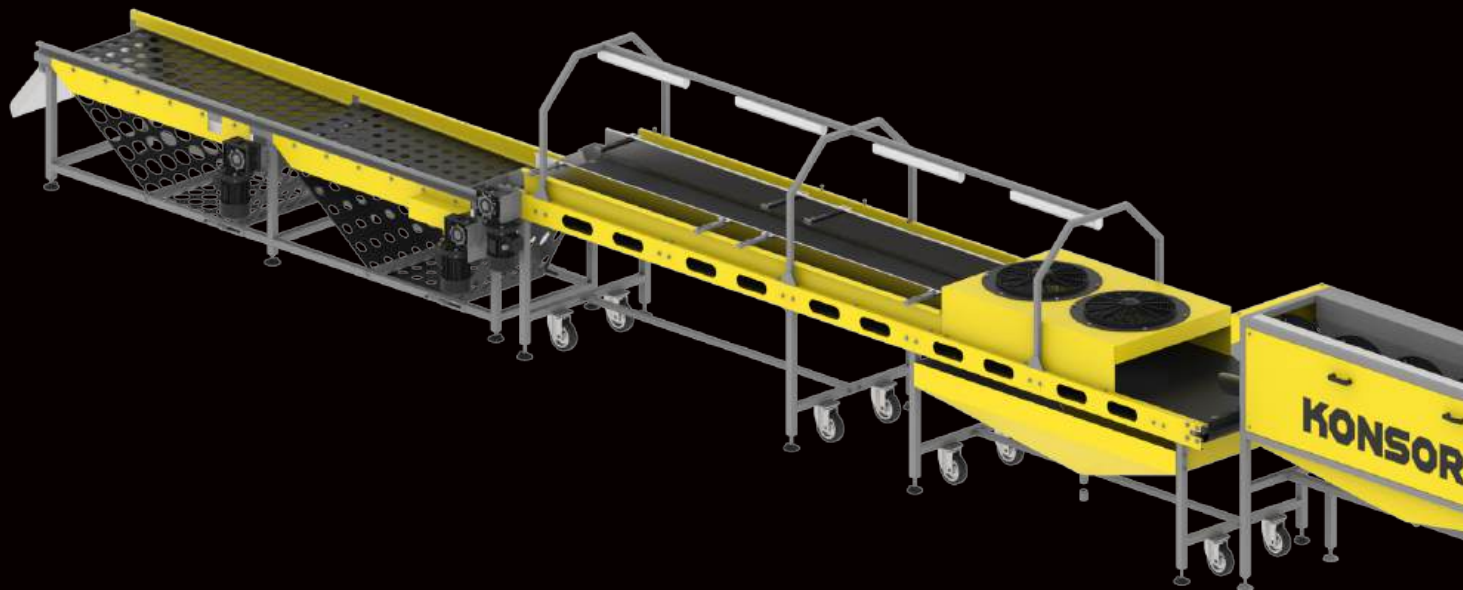
loader driver – 1 person

The equipment can be designed according to individual parameters necessary for the customer.



Scan to view





Multi-purpose line for vegetables

This line is designed to process and prepare vegetable for sale. The product preparation process includes the following stages: washing, previous selection of defective and spoiled products, calibration, and delivery for packing. It is also possible to include into the line the ability to move finished products across the warehouse. The material for the equipment can be combined in some sections, depending on customer's needs. This line is suitable for such vegetables as potatoes, onions, beets, and carrots.

Technical characteristics:

Productivity – 1 - 5 tons per hour
 Electric power consumption – 8 kW per hour
 Continuous line operation – 8 hours
 Stop for technical inspection – 2 hours
 Number of working shifts – 2

Number of staff for one shift (8 hours):

sorting operator – up to 6 people
 line operator – 1 person
 loader driver – 1 person

Line components:

Container tipper – 1 unit
 Roller-type inspection table – 1 unit
 Inclined conveyor – 1 unit
 Brush washer – 1 unit
 Belt calibrator – 1 unit
 Turning conveyor – 1 unit

The equipment can be designed according to individual parameters necessary for the customer.

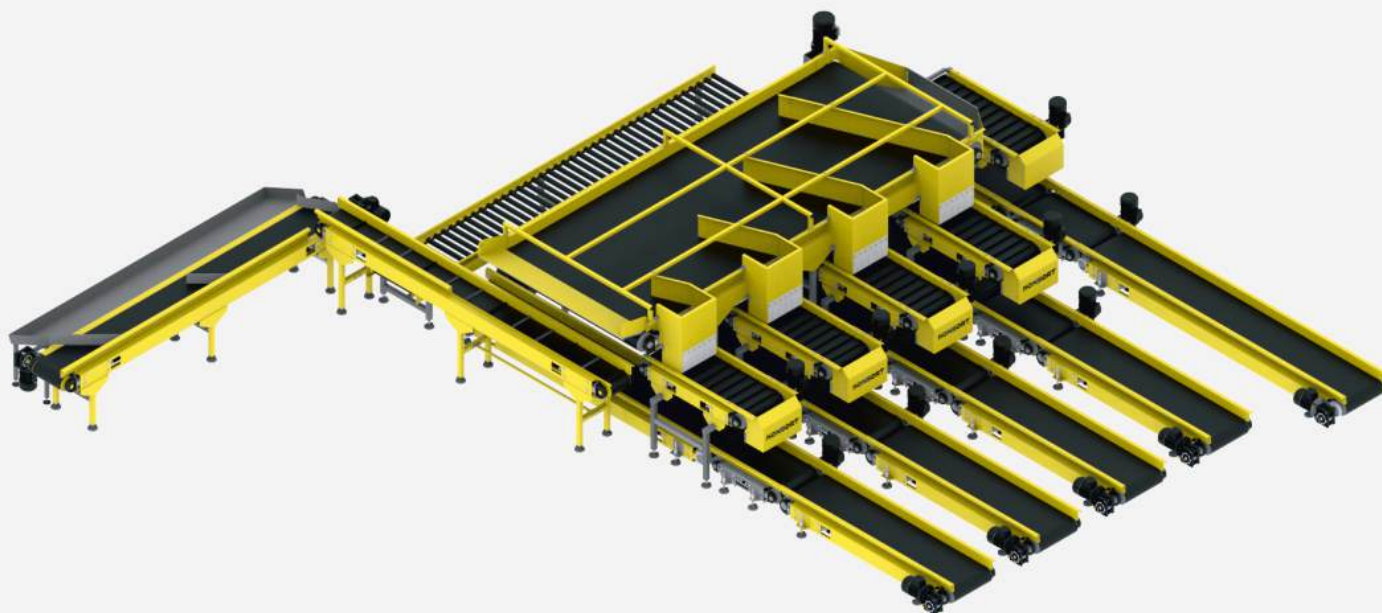


Scan to view



Multi-purpose line for vegetables





Line for citrus fruit

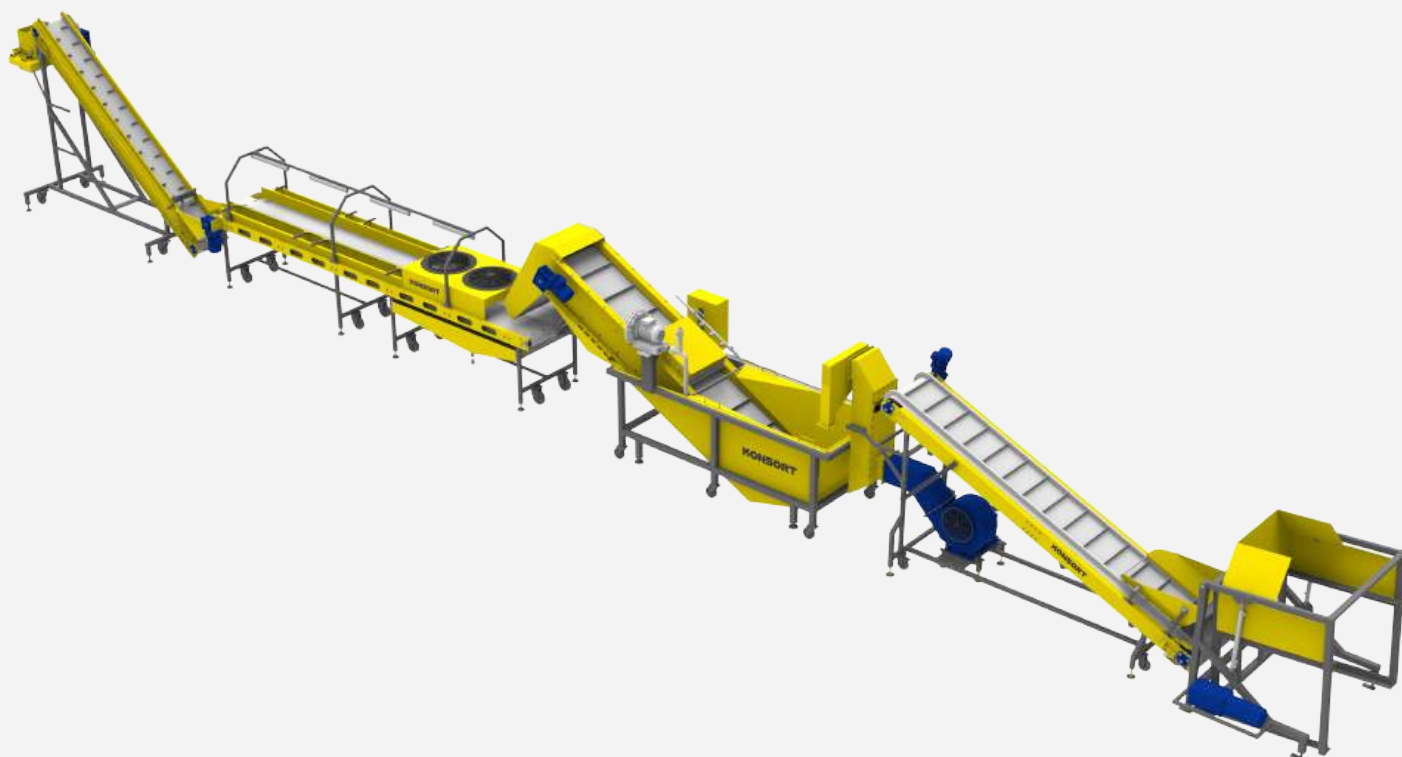
The citrus sorting line makes it possible to pick out low-quality products and to pack good quality products into containers or boxes, in accordance with the specified parameters. Modern technologies are used in this line and that allows the customer to optimize costs by making production processes automated, and it also increases the speed of selecting and sorting the products, which then go to stores.

Line components:

Sorting table – 1 unit
 Inspection table – 3 500 mm
 Conveyor with reverse – 1 000 mm (5 units)
 Inclined conveyor – 16 200 mm
 Horizontal non-driving roller conveyor – 3 600 mm
 Horizontal receiving conveyor – 2 400 mm
 Horizontal conveyor – 3 000 mm
 Inclined table – 3 000 mm

Horizontal conveyor for unloading to
 boxes – 5 000 mm (1 unit)
 Horizontal driving roller conveyor – 600 mm (5 units)
 Horizontal conveyor – 1 700 mm (5 units)
 IT part (control system)

The equipment can be designed according to individual parameters necessary for the customer.



Line for berries

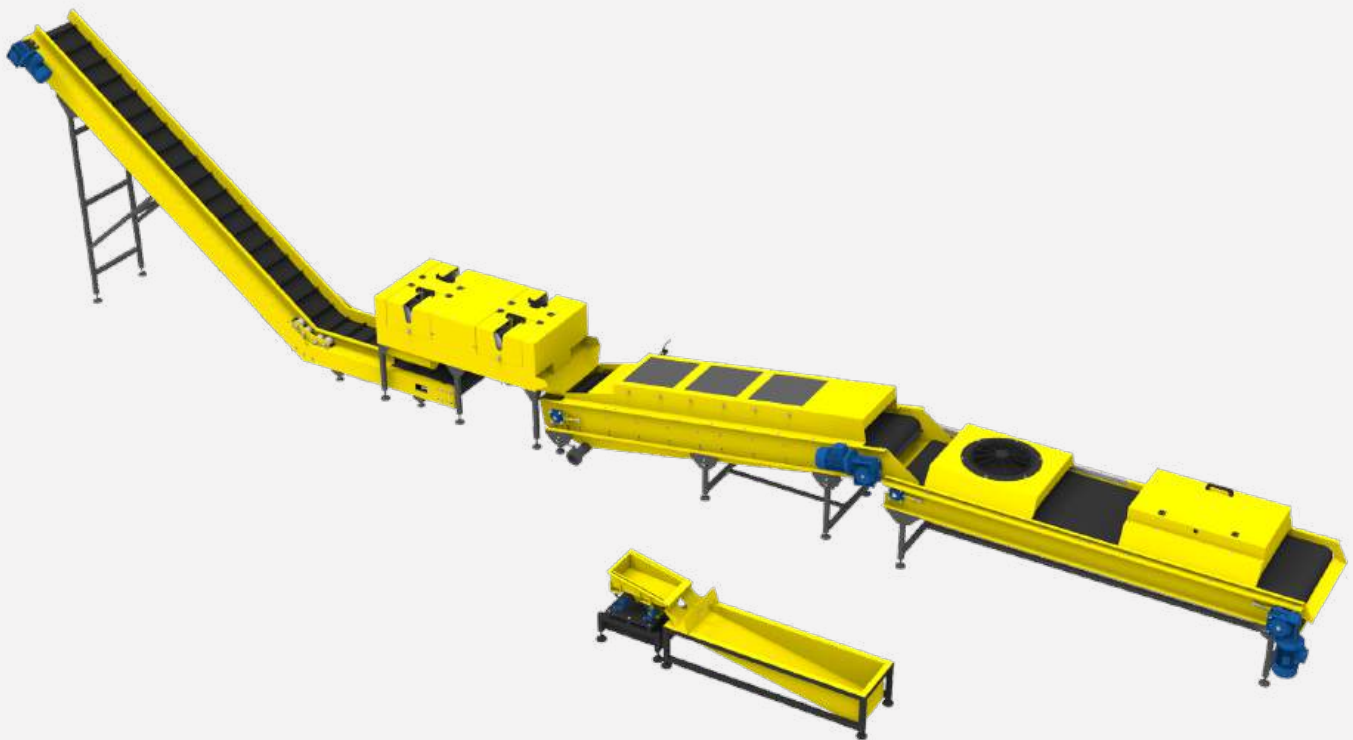
This line is designed to freeze berries and its total productivity is 3 tons per hour. The line includes such stages as peeling, washing, previous selection of defective and spoiled products, delivery for freezing, calibration, separation of stems, final manual sorting of berries and delivery for packing. It is also possible to include into the line the ability to move finished products across the warehouse. The material for the equipment can be combined in some sections, depending on your needs. This line is suitable for such berries as blueberries, raspberries, red and black currants, strawberries, cherries, sweet cherries and plums.

Technical characteristics:

Productivity – 1 - 2 tons per hour
 Electric power consumption – 8 kW per hour
 Continuous line operation – 8 hours
 Conveyor with reverse – 1 000 mm (5 units)
 Inclined conveyor – 16 200 mm
 Horizontal non-driving roller conveyor – 3 600 mm
 Horizontal receiving conveyor – 2 400 mm
 Horizontal conveyor – 3 000 mm
 Inclined table – 3 000 mm
 Horizontal conveyor for unloading to boxes – 5 000 mm (1 unit)

Horizontal driving roller conveyor – 600 mm (5 units)
 Horizontal conveyor – 1 700 mm (5 units)
 IT part (control system)

The equipment can be designed according to individual parameters necessary for the customer.



Line for rolls made from organic raw materials

The equipment is designed to process organic rolls from raw material to the final product. The line helps to speed up the cutting process, and fully automates washing, drying and draining. A separate module for the final product.

The line consists of:

L-shaped drainage conveyor
Tape – PVC 2 mm, chevron – 40 mm, step – 200 mm
Gear motor – 0,75 kW
Frequency converter

Start/stop button on each equipment unit

Machine for cutting rolls:

Number of posts: 4 (2 for cutting to size – separately for short and long rolls, 2 – for cutting waste)

Knife material: stainless steel

Total power – 0,37 kW

Conveyor with nozzle system:

Type of belt: modular, perforated
Speed – 0,1 m/sec

Gear motor – 0,55 kW

Frequency converter

Nozzles – 10 pcs

Conveyor with a drying system:

Type of belt – modular, perforated

Speed – 0,1 m/sec

Gear motor – 0,55 kW

Frequency converter

Drying systems – lamps, fan

Machine for counting tubes

Consists of a vibrating hopper, a storage tray

Counting sensors



Popcorn sorting and cooling line

Equipment for transporting, sorting and cooling popcorn. A silicone belt is designed to work with high temperatures and levelling the popcorn layer. A barrel separator cools the popcorn, as well as cleans and separates it into fractions. The equipment is also suitable for other bulk products.

The line consists of:

belt conveyor;

a barrel separator-cooler.

Technical characteristics:

Inclined belt conveyor for popcorn

Receiving hopper on the conveyor frame along the horizontal length, not higher than 1 000 mm

Conveyor length – 3 500 mm

Silicone belt 2MT8S0-S2 (Chiorino, Italy);

Gear motor with a power – 0,75 kW

The material of the conveyor is structural steel. Conveyor sides, shafts, and trays are made of stainless steel with food grade AISI 304.

Bar screen (cooler)

Drum length – 2 000 mm. Diameter – 600 mm

Stainless steel bars/blades

Stainless steel sieve with a mesh size – up to 3 mm

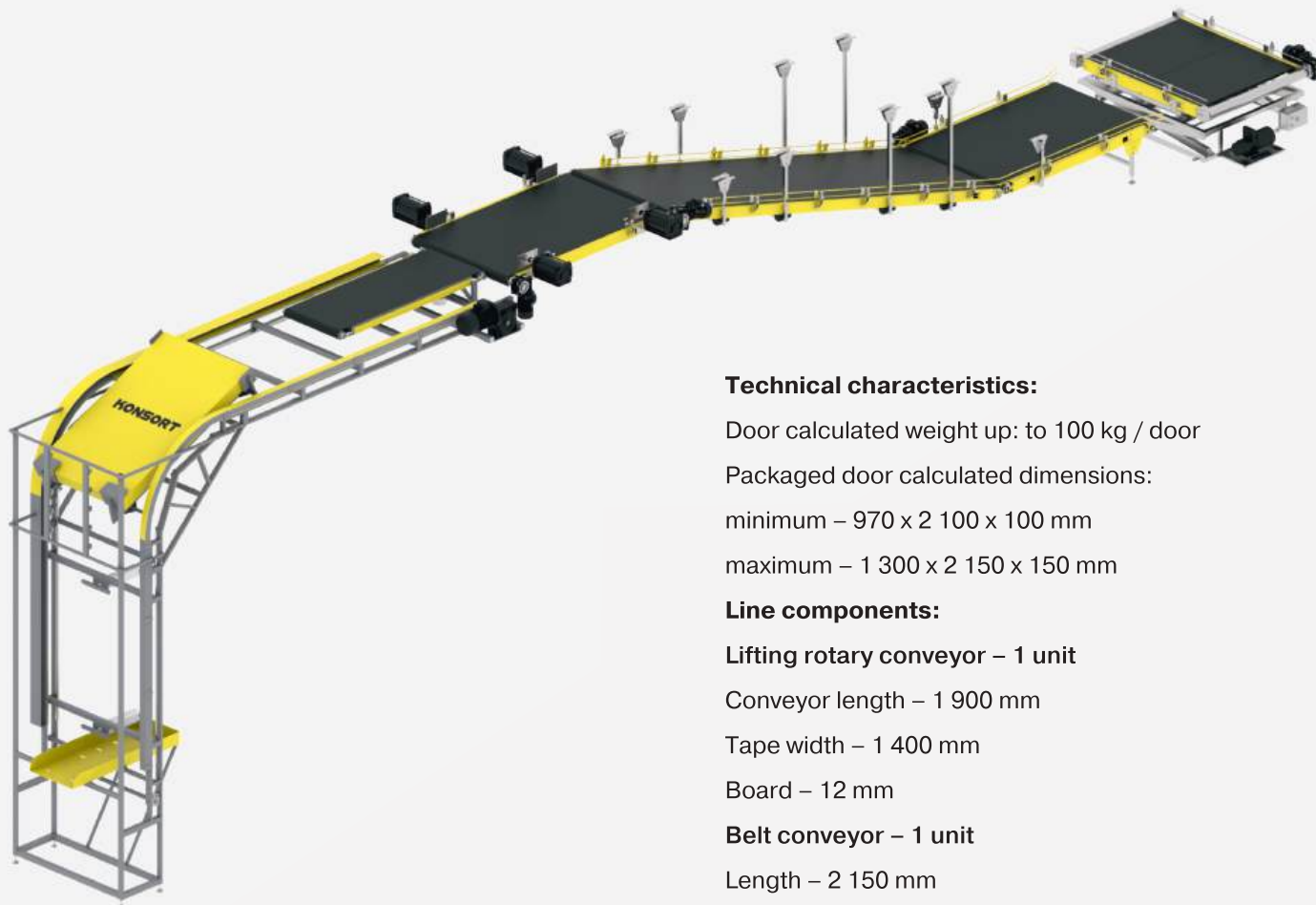
Fans for cooling products – 3

Removable waste tray

Gear motor – 1,1 kW

Frame material – structural steel

Line for door transportation and positioning



The door positioning line is represented by a system of belt conveyors. The equipment is made of structural steel with powder coating. Connection to power supply is 380 V. The drive is carried out by a gear motor with power from 0.55 kW to 0.75 kW. A smooth, green PVC tape is used for transportation. The line has two operating modes. At the first mode of the line operation doors are automatically received from the packaging machine. The maximum speed is 1 unit per minute. At the second mode of the line operation doors are manually delivered to the rotary lifting conveyor at a speed of no more than 1 unit per minute. The line electric control panel is on the second floor. There is a mode selection switch on the control panel: the first and the second, a line on and off button, a sound and light alarm, an intercom, a line emergency stop button with mechanical locking. There is a line emergency stop button with mechanical locking, an intercom, and a light and sound alarm in the place where doors are descended.

Technical characteristics:

Door calculated weight up: to 100 kg / door

Packaged door calculated dimensions:

minimum – 970 x 2 100 x 100 mm

maximum – 1 300 x 2 150 x 150 mm

Line components:

Lifting rotary conveyor – 1 unit

Conveyor length – 1 900 mm

Tape width – 1 400 mm

Board – 12 mm

Belt conveyor – 1 unit

Length – 2 150 mm

Tape width – 1 400 mm

Board – 12 mm

Belt conveyor – 1 unit

Length – 5 100 mm

Tape width – 1 400 mm

Board – 12 mm

Belt conveyor with door centering system – 1 unit

Length – 2 240 mm

Tape width – 1 400 mm

Belt conveyor with door descent and storage system – 1 unit

Overall length – 5 960 mm

Conveyor length – 2 100 mm

Tape width – 800 mm

Board – 12 mm

Hydraulic cylinder – 2 units

The equipment can be designed according to individual parameters necessary for the customer.

Lecithin bottling line



The lecithin bottling line consists of a roller system and a turntable. Roller table frame is made with the help of cold galvanizing and rollers with galvanic galvanizing. The line is equipped with gearboxes with power from 1.5 kW to 3 kW and with frequency converters with the same characteristics. Connection to the power supply is 380 V. The following electrical equipment was installed: control box, motion control sensors, power cables, emergency stop system, controller, sound and light alarm, button post. This line works according to the following algorithm: the operator sets the pallet on conveyor N1, then presses the start button on the button post. The post is installed in the nonoccupied area, with an emergency STOP button that stops all conveyors. Next, the operator presses the button «Feeding pallets» on the filling machine. Then conveyor N4 starts. After the pallet from conveyor N4 goes to the filling machine, filling of conveyors N3, 2, 1 starts automatically. When the operator presses the button «Departure of full barrels», the machine starts conveyor N5 and stops by the conveyor filling sensor. The next start of conveyor N5 will be after the operator presses the button «Departure of full barrels» on the filling machine.

Line components:

Drive roller conveyor – 4 600 x 1 300 x 500 mm

Reverse drive roller conveyor – 1 200 x 1 300 x 500 mm

Reverse drive roller conveyor – 1 600 x 1 300 x 500 mm

Reverse drive roller conveyor – 3 100 x 1 300 x 500 mm

Reverse turntable with drive roller conveyor – 1 500 x 1 300 x 500 mm

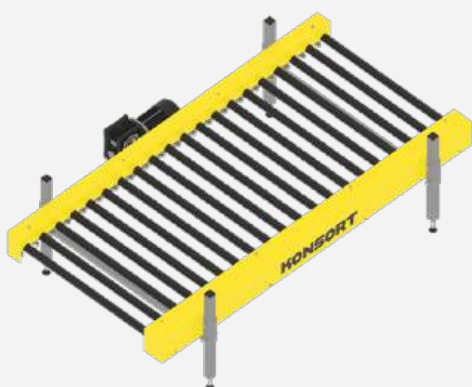
Reverse conveyor with degree of angle rotation – 90

Movement speed – 0,15 - 0,3 m per second (for the whole line)

Motor reducer

Frequency converter

The equipment can be designed according to individual parameters necessary for the customer.



Drive roller table (included)

The line for semi-finished products

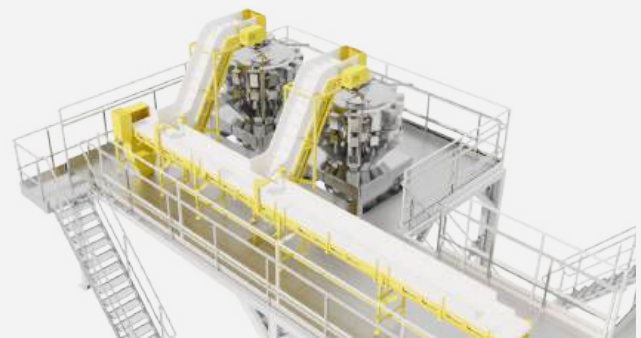


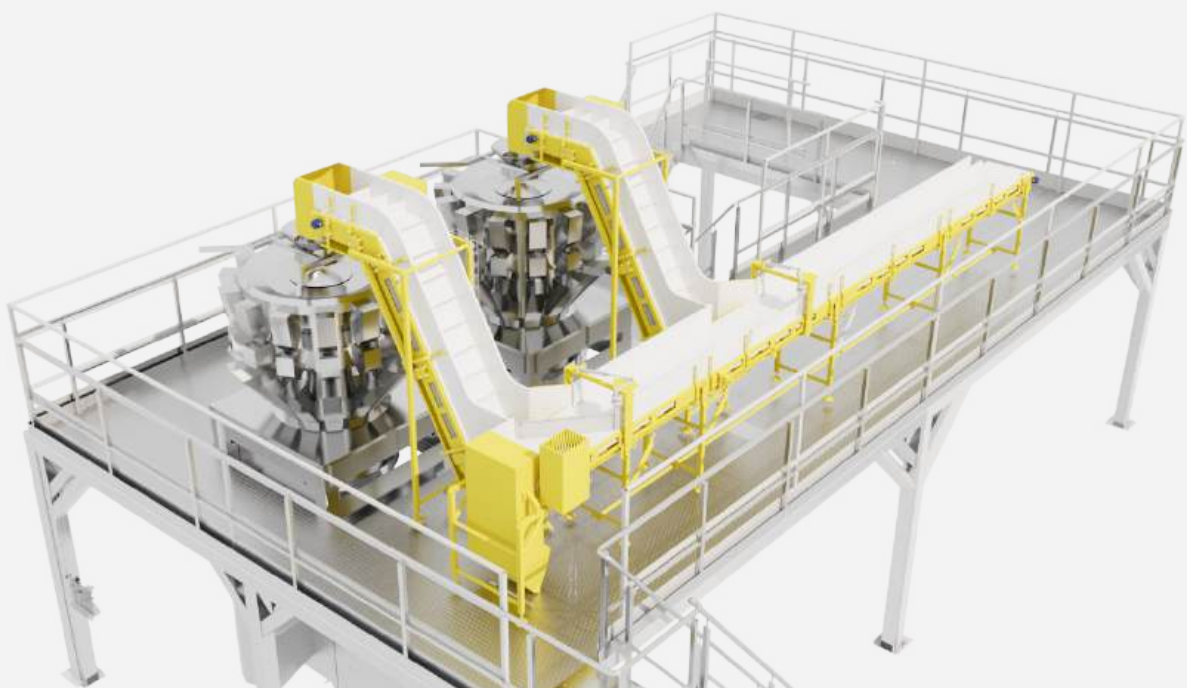
The universal conveyor line is designed for transporting and further packaging of meat products. The line is equipped with a programmable logic controller, where it is possible to set the operating logic both in manual mode (each conveyor separately) and in automatic mode (which is prescribed in the programme and automatically selects the direction of product movement depending on the load of the modules). The line is located on the mezzanine to allow free movement around the warehouse and save space. The equipment is manufactured in accordance with BRC food safety standards.



The line consists of:

- a 7000 x 500 mm stationary linear belt conveyor with reversible belt movement based on a signal from the sensor;
- a 2600 x 860 mm stationary linear belt conveyor for a storage hopper with a temporary product collection;
- belt conveyor 8500 x 500 mm has two intersections for redirection to other conveyors. The flow is automatically regulated by a pneumatic gate;
- belt conveyors 2500 x 500 mm x 2 – Z-shaped: transfer the product to the vibrating conveyor of the Ishuda loading machine, works according to the product quantity sensor on the vibrating hopper;
- belt conveyor 6000 x 460 mm: portable, movable, wheels with PU edge on a swivel fork, with brake system;
- belt conveyor 4000 x 500 mm stationary, fixed, inclined downwards;
- belt conveyor 5000 x 500 mm: Z-shaped, with a loading hopper, for the possibility of loading the product into the conveyor system using a portable tipping loader;

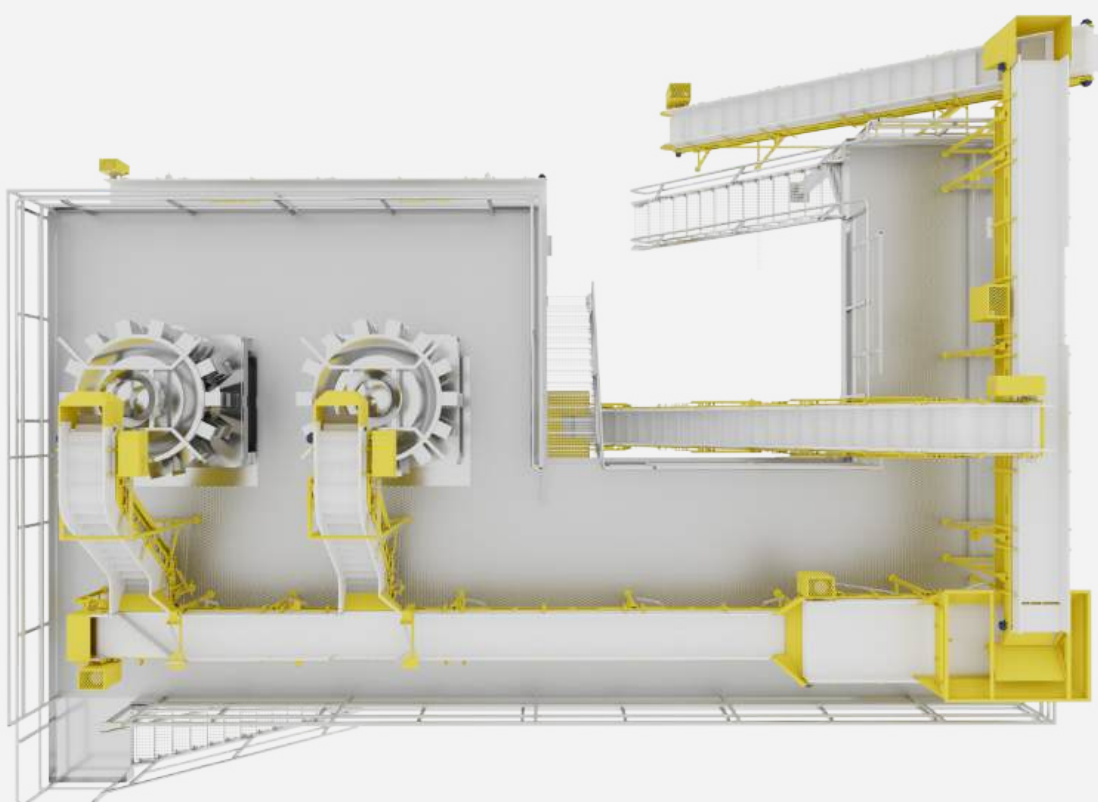




- belt conveyor 3000 x 500 mm: stationary, fixed, inclined downwards;
- belt conveyors 1500 x 490 mm: Z-shaped, movable, wheels with PU edge, on a swivel fork, with a brake system, supplying the product to another conveyor.



Scan to view



A line for transporting cargo around the facility



The line is designed to move cargo around the facility. Cargo (a package with an order) is attached to the belt using holders. Sensors detect the weight of the load and the line starts moving to a certain point. The conveyor frame is attached to the ceiling with the shaped pipes.

Technical characteristics:

Overall dimensions of the cargo – 150 x 250 x 380 mm

Cargo weight – up to 2 kg

Conveyor track length – 57 000 mm

Type of belt – plastic strip

Working width – 82,5 mm

Holder step – 150 mm

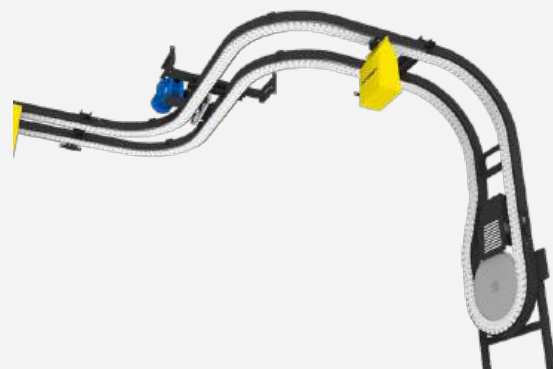
Material – sheet metal with powder painting (frame)

Gear motor – 1,1 kw; equipped with a frequency converter

Equipped with «start» and «stop» buttons, emergency shutdown

Connection – 380/ 220 V

The equipment can be manufactured according to individual requirements of the customer.



Pallet lifting line



The pallet line is designed for lifting and lowering loads weighing up to 700 kg. The roller conveyors are operated by chain drives and are operated by geared motors. The line is capable of lifting or lowering 40-50 pallets per hour. The design has no dead zones for dust and dirt accumulation. For safety measures, it has a mesh fence around the lift.

Technical characteristics:

Dimensions of the lifting trolley – 1 350 x 1 100 mm

Load – pallet weighing 700 kg,
dimensions 1 200 x 1 000 mm

Working width – 1 100 mm

Loading height – 300 mm

Unloading height – 4 200 mm

Material of manufacture – structural steel with
powder painting

Power consumption – up to 14 kW

Pallet presence sensors for automated lifting and
accumulation of cargo.

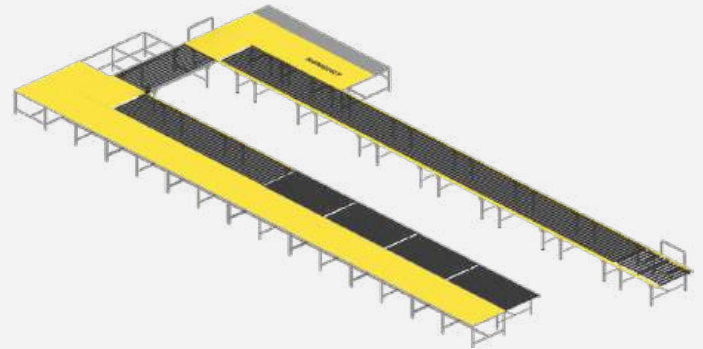
The line consists of:

Driven storage roller conveyor for
loading/unloading – 7 m

Lifting platform with a driven roller
conveyor – 3 m

The equipment can be manufactured according to
individual parameters required by the customer.

Refrigeration equipment collection line



Refrigeration equipment collection line is a system of roller tables. The system consists of 7 sections of nondriven stationary roller tables, total length of 2 000 mm each. The roller table frame is made of a shaped tube. On the one side of a roller table there are platforms made of 2 mm thick steel, and adjustable shaped tubes of 50 mm. A platform consists of 5 sections, 2 000 mm long. For convenience the equipment is U-shaped and has rotary corner tables at turns.

Technical characteristics:

Section length – 2 000 mm

Loads on 1 section – 1 000 kg

Roller width – 1 000 mm

Roller diameter – 57 mm

Axle spacing – 100 mm

Supports height – 600 mm (adjustable by 50 mm)

Furniture transportation line



Furniture workpieces transportation line consists of 5 non-driven roller conveyors and a ball table. With the help of non-driven roller conveyors the operator can easily transport the overall furniture components, conveniently moving them by rotating 32 mm – diameter rollers, which are made of structural steel and are equipped with plastic bearings. The ball table allows the operator to return a workpiece in the desired direction. The table is equipped with 230 ball supports which allows you to return an object that is transported by 360°. The table frame is made of shaped tube 60 x 30 x 2 mm.

Technical characteristics:

Overall dimensions – 5 361 x 900 mm

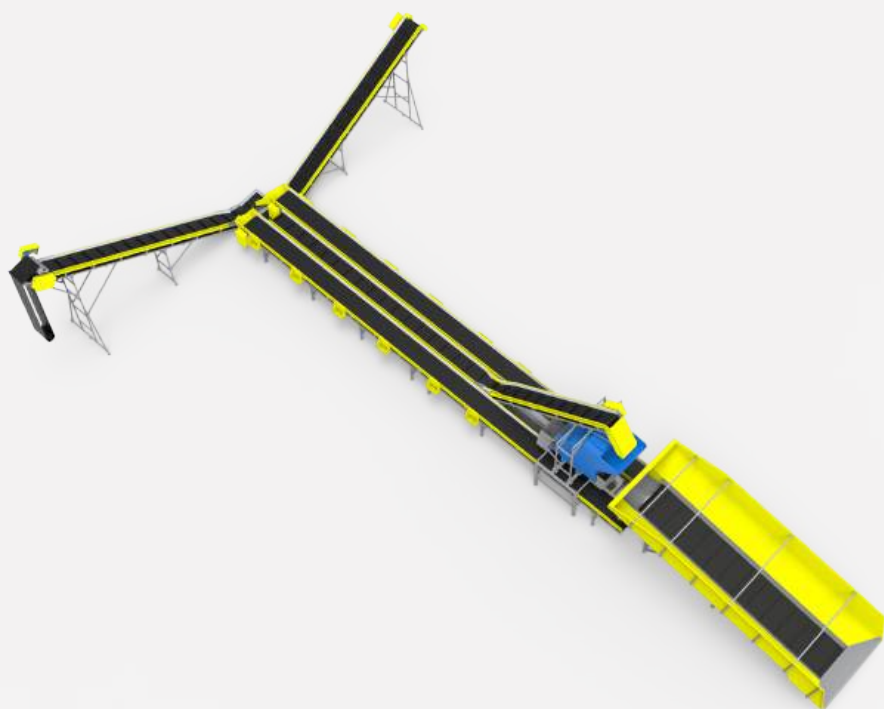
Support height – 750 mm

Ball table – 1 500 x 1 000 mm

Support height – 600 mm

The equipment can be designed according to individual parameters necessary for the customer.

Line for preliminary preparation of corn cobs



The system can be placed at the location nearest to the corn harvesting site to reduce the cost of transporting the product. The conveyor system provides a fully automated preparation process.

The line consists of:

Receiving hopper

Lifting platform

Inspection conveyor (15 000 mm)

Conveyor for rejected products (15 000 mm)

Conveyor for returning products to the husker (15 500 mm)

Conveyor for loading good quality products onto a truck (9 200 mm)

Conveyor for loading poor quality products onto a truck (8 000 mm)

Sticker counting line



The line is designed to transport and pack stickers. The equipment is made of stainless steel and is equipped with 0.25 kW gear motors manufactured. PVC tape equipped with a cord (manufactured in Italy, CHIORINO) is used for transportation. This line has the following principle of operation: operators (sticker positioning staff: up to 4 people) put stickers on the belt of the position conveyor, which is placed between two tables. Stickers go along the conveyor to the transporter for reading information and forming a queue (2 pcs). Next, the stickers get on to the packaging forms packing machine, which is also designed to align them. The packaging machine is equipped with two conveyors (which are located in parallel in different places). With their help a sticker gets onto the mechanism that puts it into packaging forms. When the form is filled with 10 stickers, the pneumatic cylinder moves it to the buffer with filled forms. After the pneumatic cylinder returns to its original position, the empty form goes down to its initial position. The operator takes the form with stickers and puts them into a cardboard box, and then returns empty forms to the buffer zone.

Technical characteristics:

Stainless steel table – 2 500 x 800 x 1 300 mm

Position conveyor – 3 100 x 50 x 800 mm

Conveyor for reading information and forming a queue – 500 x 50 800 mm (2 units)

Machine for packing packaging forms – 650 x 50 x 800 mm (2 units)

Mechanism for empty and filled forms distribution – 100 x 145 x 800 mm

Packaging forms – 17 units

Paint transport line



The paint can transportation line consists of two telescopic roller tables and two modular rotary conveyors. This line delivers cans of different diameters to the packaging and the vacuum machines. Conveyors are made with unusual S-like turns in case the customer's production premises are of limited size.

Technical characteristics:

Turning conveyor – 1 unit

Modular tape width – 200 mm

Motor reducer – 0,37 kW

Turning conveyor – 1 unit

Modular tape width – 400 mm

Motor reducer – 0,37 kW

Telescopic non-driving roller conveyor – 1 820 mm, 2 units

Roller diameter – 21 mm

Roll spacing – 35 mm

The equipment can be designed according to individual parameters necessary for the customer.

Line for sorting and processing of bulk products



Bulk products sorting and processing system consists of five conveyors. Two conveyors feed the product onto a conveyor with distribution cart, which alternately loads the bulk storage hopper. There are 50 mm high rubbersided boards on the conveyors sides. Frame is made of structural steel. All motor reducers of the sorting system are made in Italy. A PVC tape with 40 mm high chevrons and 200 mm pitch is used for transportation.

Line components:

Lifting conveyor – 1 500 x 300 mm (1 unit)

Conveyor lift height – 1 500 mm

Belt speed – 0,5 m/s

Inclined conveyor – 1 500 x 300 mm (1 unit)

Conveyor height at the beginning – 4 800 mm

Conveyor height at the end – 4 200 mm

Belt speed – 0,5 m/s

Motor reducer – 0,55 kw

Horizontal conveyor – 9 000 x 600 mm (1 unit)

Belt speed – 0,5 m/s

Motor reducer – 2,2 kw

Horizontal conveyor – 9 000 x 600 x 400 mm (1 unit)

Belt speed – 0,5 m/s

Motor reducer – 2,2 kw

Z-shaped conveyor – 1 unit

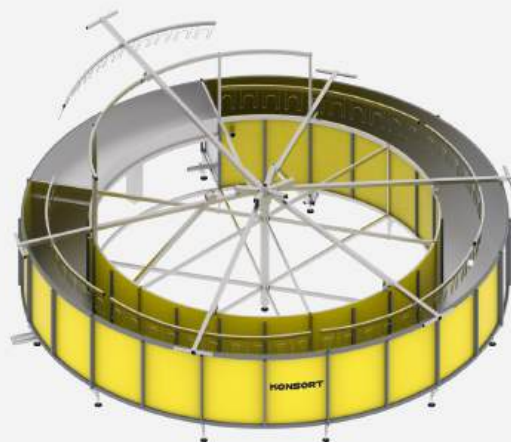
Horizontal part length – 500/600 mm

Inclined part length – 6 200 mm

Belt speed is adjusted to 1 m/s

Motor reducer – 2,2 kw

Poultry sorting and processing line



This line consists of the equipment system that is necessary for slaughtering, exsanguination, scalding, evisceration and pre-cooling of poultry. Such equipment is successfully used at chicken and poultry farms. This equipment allows electric stunning of poultry, poultry carcasses exsanguination, poultry scalding in a heat treatment bath, feather removal, poultry evisceration and cooling to a desired temperature. The equipment consists of two carousels, a centrifuge and two storage tables.

Technical characteristics:

Productivity – 300 - 350 animals per hour

Occupied area – 65-70 m²

Electricity consumption – approx. 1.3 kW / h

Water consumption – 3,2 m³/h

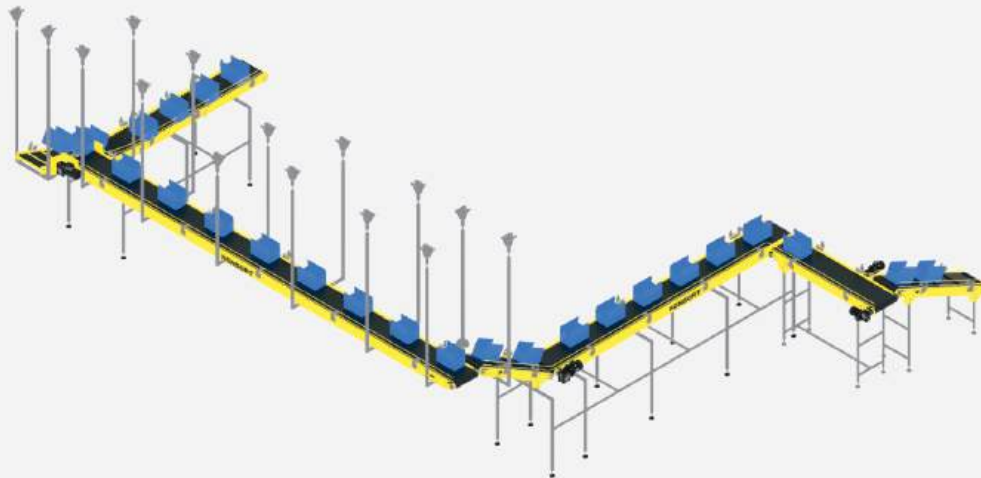
Scalding bath capacity – 0,53 m³

Cooling bath capacity – 3,9 m³

Service staf – 6 - 7 people

The equipment can be designed according to individual parameters necessary for the customer.

Confectionery sorting line



The line for transporting boxes with confectionery is a system of conveyors and roller tables. Equipment of this type makes it possible not only to transport goods quickly and conveniently, but also increases the productivity of the entire packaging and shipping process significantly. This line consists of 2 inclined conveyors of a stationary type with a modular designed frame which are driven by a gear motor; horizontal conveyors of a stationary type; and 2 conveyors without legs but with a ceiling mount, trays are provided below. The conveyor system also includes a roller descent which allows corrugated boxes from the conveyor go to the roller table. The line also has an inclined roller table with an inflection which is attached to the ceiling at the loading point, and at the unloading point it stands on the supporting legs. Automation allows you to fix the products on the conveyor and the roller table. The system is equipped with an electric control box, a start button, a stop button to start and stop the conveyor line with five conveyors, speed control buttons for each of the five conveyors separately, an emergency stop button for the conveyor line, and an indicator of line power to the 380 V network.

Technical characteristics:

Inclined conveyor – 1 unit

Conveyor roll length – 2 150 mm

Load height – 630 mm

Unloading height – 1 500 mm

The conveyor width no more than 600 mm
(for the whole system)

Board – 100 mm (for the whole system)

Tape width – 300 mm

Tape thickness – 1,6 mm (for the whole system)

Horizontal conveyor – 1 unit

Conveyor roll length – 2 200 mm

Height – 1 500 mm

Tape width – 400 mm

Horizontal conveyor – 1 unit

Conveyor roll length – 5 000 mm

Height – 1 500 mm

Tape width – 300 mm

Inclined conveyor – 1 unit

Conveyor roll length – 1 750 mm

Load height – 1 500 mm

Unloading height – 2 375 mm

Conveyor without legs with ceiling mount – 1 unit

Tape width – 300 mm

Cross board height – 20 mm

Horizontal conveyor – 1 unit

Conveyor roll length – 8 100 mm

Height – 2 375 mm

Conveyor without legs with ceiling mount – 1 unit

Tape width – 400 mm

Roller descent – 1 unit

Length – 300 mm

Width – 400 mm

Inclined roller table with a bent – 1 unit

Overall length – 4 620 mm

Working width – 300 mm

Motor reducer

The conveyor frame, shafts, and tray are made of aisi 304 food-grade stainless steel

The conveyor support legs and bearings are made of ral 7036 powder-coated structural steel

Frequency converter – danfoss

Conveyor tape – Chiorino, Italy

The equipment can be designed according to individual parameters necessary for the customer.

Snail processing line

This line is designed to optimize and to automate the processing of snails. The line consists of a loading conveyor with a hopper, a distribution conveyor, and four inspection conveyors. Each of the conveyors is equipped with a food grade polyurethane belt. Belt tension is regulated with tensioning mechanisms, and supporting rollers prevent the belt from sagging. The drive and tension rolls are mounted on self-aligning bearings in a closed housing. The control box has a belt emergency stop system, start, stop and speed control buttons, and is protected by a corrugated tube. The line can be also additionally equipped with a vibrating sieve for snails.

Technical characteristics:

Polyurethane tape – 1,3 mm, Chiorino, Italy

Motor reducer – 1 unit

Connection to power supply – 220 V

Material used – food grade stainless steel

Frequency converter – 1 unit

Line components:

Loading conveyor

Flows distribution conveyor

Inspection conveyor – 4 units

Complete set of vibrating sieves:

Overall dimensions – 1 000 x 2 000 mm

Loading height – 1 200 mm

Unloading height – 800 mm

Vibrator with a frequency converter – 1 unit



Transport system with divertors

The system is designed to automate the feeding and handling of steel pipe. It can also be used to feed any product if a change in feed direction is required. This process is provided by platforms that are automatically lifted. Each divertor platform is hydraulically driven for lifting and has an independent gear motor and a chain that moves the product.

The line consists of:

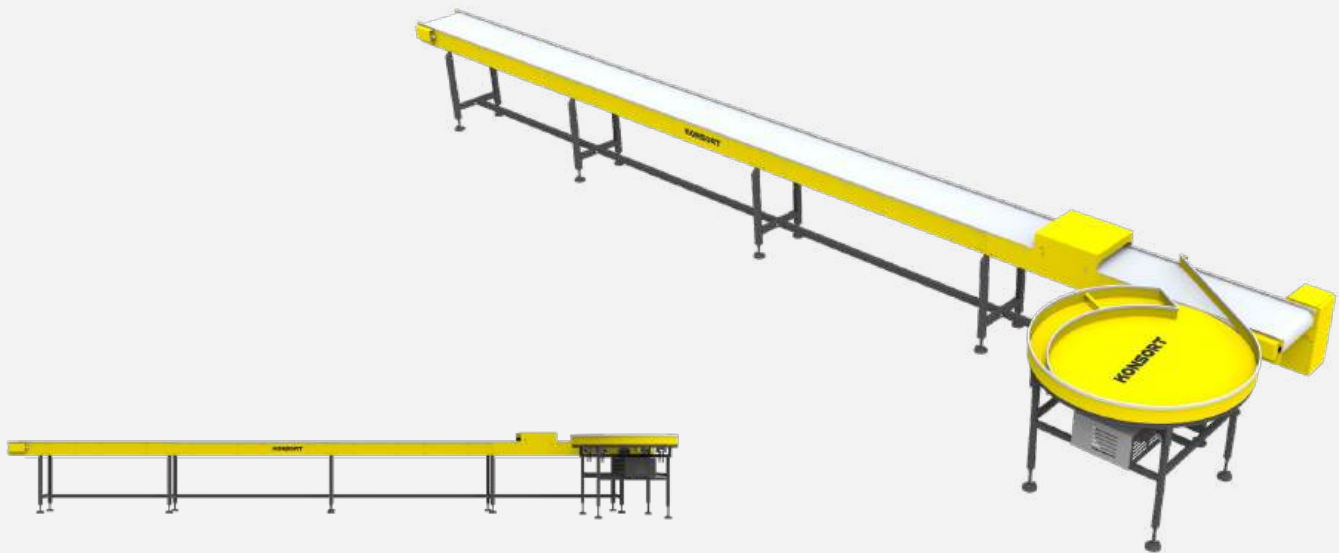
Roller feed conveyori – 12 000 mm

Receiving roller conveyor – 12 000 mm
equipped with a divertor

Receiving hopper for collecting zero crosscuts
and waste.



Food packaging and disinfection line



The line provides transportation and collection of food boxes. It consists of a conveyor with ultraviolet lamps for disinfection of transported products and a rotating table for collecting the product and for further packaging. Made of the highest quality food grade stainless steel.

Specifications:

Overall dimensions of the load – 150 x 250 x 380 mm

Load weight – up to 2 kg

Overall dimensions of the conveyor – 7 200 x 1 200 x 480 mm

Gear motor – 0,55 kW

Frequency converter – 0,55 kW

Power supply – 380 V

Material of manufacture – profile stainless steel pipe AISI 304 (frame), reflective stainless steel (table top and side)

Equipped with ultraviolet lamps for product disinfection.

System for receiving and transporting tea boxes



The system for receiving and transporting tea packs is one of the elements of the production line, which also includes equipment for handling and calibrating bulk products. The task of the system is to bring the packs from two separate conveyor belts to one. And then send them to the Tsubakimoto machine, which wraps cardboard boxes in a plastic film.

The line's capacity is 100 packs per minute. The line parameters and design can be changed to suit your needs, and integration with equipment from other manufacturers is possible.

The line consists of:

Plastic plate conveyor with a track length of 4000 mm – 2 units

Working width of the conveyor – 190 mm
Plate plastic chain

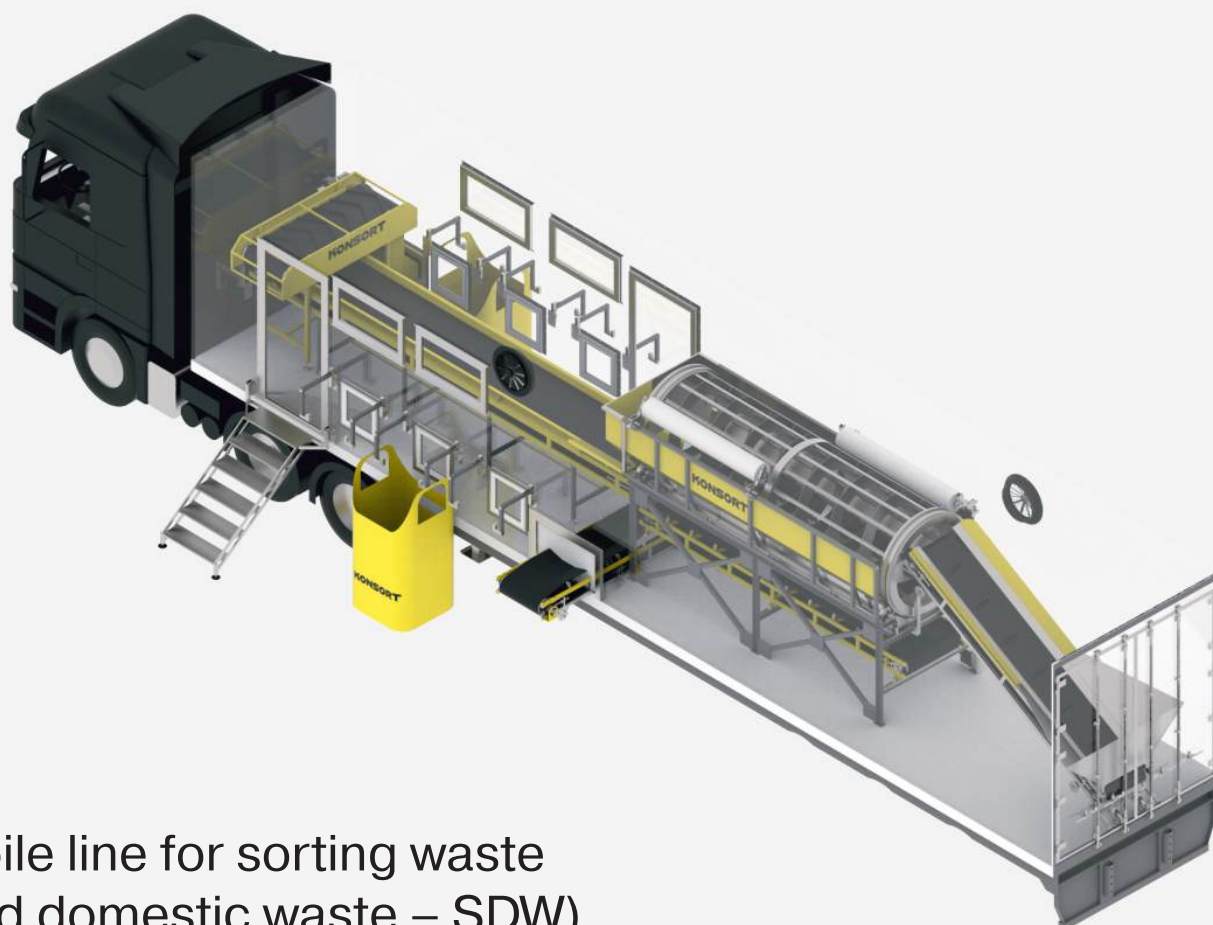
Construction height 940 mm with
+/-50 mm regulation

Conveyor with a length of 1 500 mm – 1 pc.

Working width of the conveyor – 420 mm

Construction height: 940 mm with
+/-50 mm adjustment

The line is equipped with an
electromechanical regulator of the packs.



Mobile line for sorting waste (solid domestic waste – SDW)

The mobile sorting line is designed for manual sorting with separation of resource-valuable components contained in solid domestic waste (ferrous and non-ferrous metals, glass, polymer, wood and paper). The main advantage of this line is that it is not dependent on place of SDW accumulation and it can be quickly and conveniently move from one place to another. The equipment of this mobile sorting line is based on a truck trailer on wheels. It can be transported with the help of a tractor with a rolling cart. The trailer is equipped in accordance with all ergonomic labour standards. The complete set of the trailer includes windows, doors and a ventilation system, lighting, an electrical panel with a control box, holes for sorting with fasteners for big bags, and germicidal lamps. Useful fraction is collected into big bags. The line is powered by 380 V (panel or generator).

Technical characteristics:

Line dimensions (trailer) – 13 600 x 2 450 x 2 450 mm

Line power – 10,5 kW per hour

Number of staff for maintenance of the line – up to 6 people

Driver – 1 person

Line components:

Loading conveyor with hopper

Drum separator

Sorting conveyor

Conveyor for collecting organic fractions

Take off conveyor

The equipment can be designed according to individual parameters necessary for the customer.



Scan to view

Line for sorting solid waste (10 000 tons per year)

The solid waste sorting complex provides selection of valuable secondary raw materials out of waste and then sending them to the final processing points. Solid waste goes to the receiving department to the specially designed pits, where the receiving L-type conveyor is located. Then raw materials with the help of inclined conveyor go to the inspection (sorting) conveyor for manual sorting of useful secondary raw materials. Special containers for collecting solid waste are installed under the inspection table.

Technical characteristics:

Line dimensions – 18 000 x 4 000 x 5 000 mm

Electric power consumption – 7 kW per hour

Continuous line operation – 8 hours

Number of staff for one shift (8 hours):

sorting operator – up to 8 people

line operator – 1 person

loader driver – 1 person



Scan to view

PET container punch

The PET container punch consists of a rotating shaft with removable blades. The design makes it easy to replace spikes that are out of order. It allows to increase the weight of bales by 30%, which reduces the storage space and reduces transport costs.

Specifications:

Shaft length – 1380 mm, width – 1200 mm, height – 1800 mm

The IP 55-rated drive consists of a 6 kW geared motor with a frequency converter

Control box with emergency stop system and start, stop and speed control buttons

Connection to a 380-volt power supply

Weight up to 850 kg



Line for sorting solid waste (50 000 tons per year)

The solid waste sorting complex provides selection of valuable secondary raw materials out of waste and then sending them to the final processing points. Solid waste goes to the receiving department to the specially designed pits, where the receiving L-type conveyor is located. Then the conveyor delivers the waste to the drum separator (screens). The screen is used to separate fine fraction (organic, soil, etc.). The screen is made of a mesh drum and has a packet breaking system. There is a conveyor for removing fine fraction into special containers under the screen. Selected raw material goes on the inclined conveyors from the screen to the useful fraction selection room. There is a sorting department with installed inspection (sorting) conveyors for manual sorting of useful secondary raw materials in the room. At the end of the sorting conveyor there is an iron separator that separates metal products into a separate container. Special containers for collecting solid waste are installed under the room for selection of useful fraction.

Technical characteristics:

Electric power consumption – 50 kW per hour

Continuous line operation – 8 hours

Stop for technical inspection – 2 hours

Number of working shifts – 2

Number of staff for one shift (8 hours):

sorting operator – 8 -12 people

mechanic – 1 person

power engineering specialist – 1 person

line operator – 1 person

loader driver – 1 person

Line components:

Inclined conveyor with a pit

Drum separator

Discharge conveyor from under the drum separator

Inclined conveyor

Useful waste selection room

Inspection conveyor (sorting) for 12 people

Magnetic separator

Tailing conveyor

Containers for collecting sorted waste

The equipment can be designed according to individual parameters necessary for the customer.



Line for sorting solid waste 150 000 tons per year

The solid waste sorting complex provides selection of valuable secondary raw materials out of waste and then sending them to the final processing points. Solid waste goes to the receiving department to the specially designed pits, where the receiving L-type conveyors are located. Then the conveyors deliver the waste to the drum separators (screens). The screens are used to separate fine fraction (organic, soil, etc.). The screens are made of a mesh drum. A packet breaking system is installed along the entire length of the screens. There are conveyors for removing fine fraction into special containers under the screens. Selected raw material goes on the inclined conveyors from the screens to the useful fraction selection room. The room is heat-insulated with sandwich panels, has metal-plastic windows and doors, exhaust ventilation system, lighting and electric heating. There is a sorting department with installed inspection (sorting) conveyors for manual sorting of useful secondary raw materials in the room. From the inspection conveyors, the waste goes to the tailings conveyor, above which there is an iron separator that separates metal products with the help of magnet into a separate container. Special conveyors for delivering solid waste to the press are installed under the room for selection of useful fraction.

Technical characteristics:

Line dimensions – 45 000 x 11 000 x 5 580 mm

Electric power consumption – 100 kW per hour

Continuous line operation – 8 hours

Stop for technical inspection – 2 hours

Number of working shifts – 2

Number of staff for one shift (8 hours):

sorting operator – 16 - 24 people

mechanic – 2 people

power engineering specialist – 2 people

line operator – 1 person

loader driver – 2 people

Line components:

Inclined conveyor with a pit – 2 units

Drum separator – 2 units

Take off conveyor – 2 units

Inclined conveyor to deliver useful fraction into sorting room – 2 units

Useful waste selection room

Inspection conveyor (sorting) – 2 units

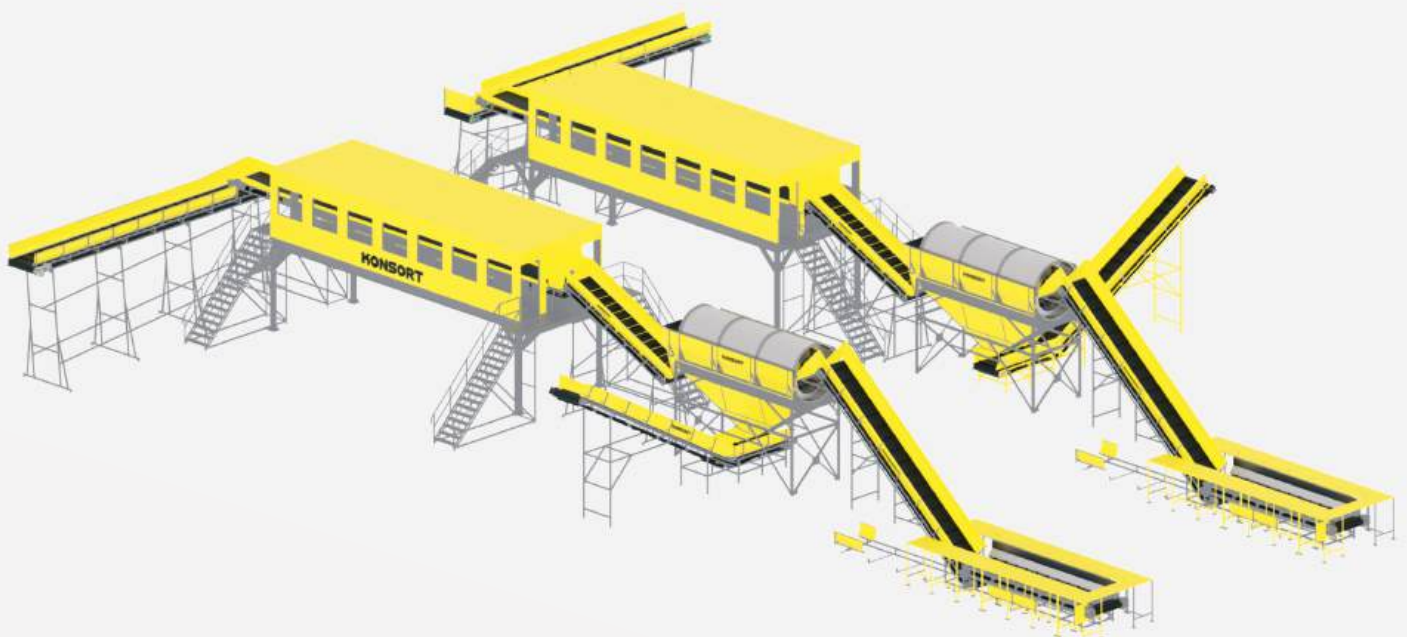
Tailing conveyor

Magnetic separator

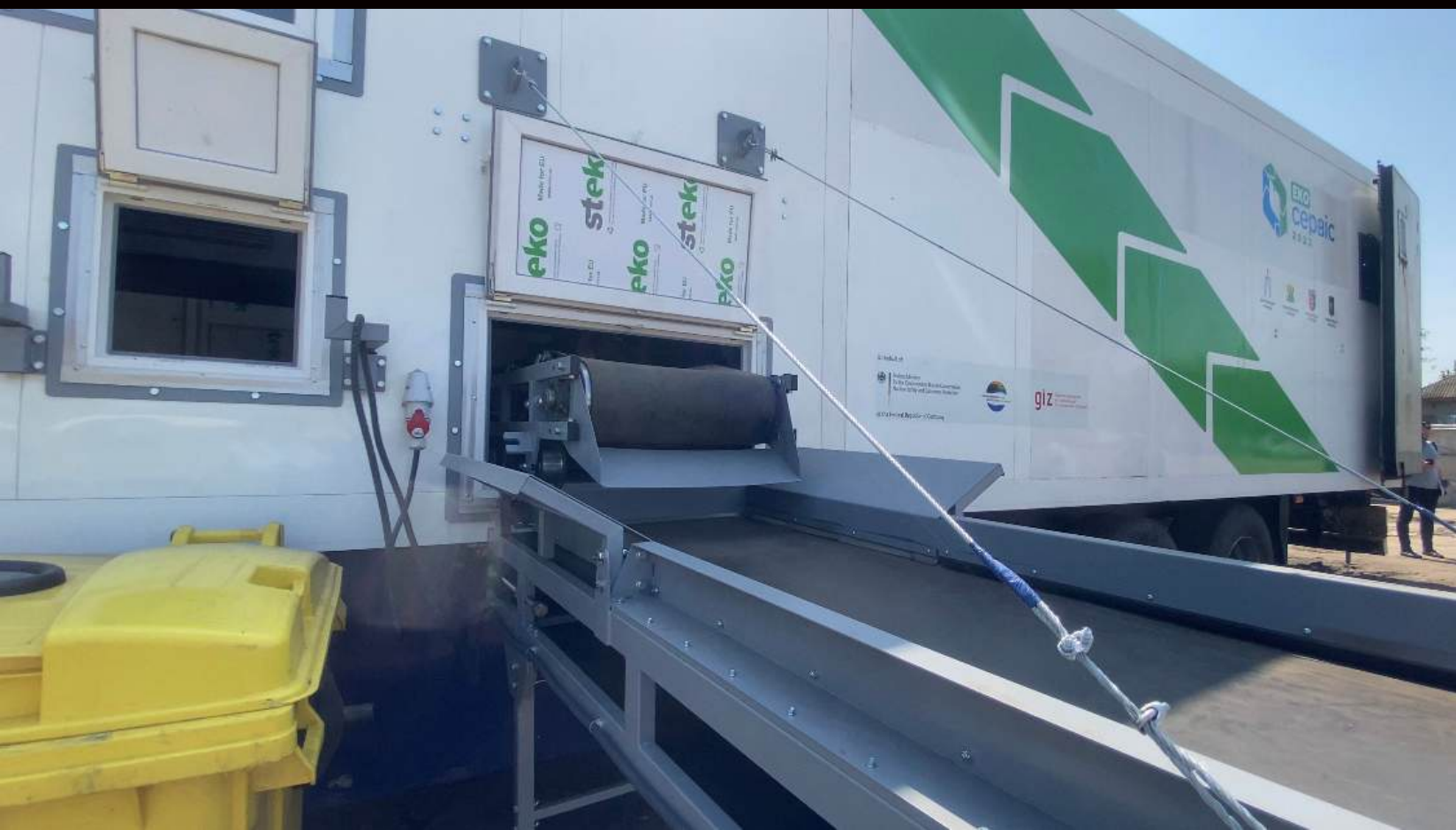
Conveyor for collecting sorted waste – 2 units

Conveyor to deliver sorted raw materials to press.

The equipment can be designed according to individual parameters necessary for the customer.







02

Loaders and conveyors

Economic effect



productivity:
+80%



product quality:
+85%



safety:
+30%



expenses:
-40%

KONSORT

Modular belt conveyors

Conveyor (bent) L-shaped

L-shaped conveyor is a combined type conveyor that combines different types of tracks. With the help of this equipment, raw materials are transported to the subsequent stages of its processing, sorting and packaging. It is often called horizontal inclined, inclined horizontal or bent conveyor. The conveyor is equipped with a modular chevron belt.

Technical characteristics:

Length – 500 - 25 000 mm

Belt width – 100 - 1 600 mm

Movement speed – 0,05 - 1 meter per second (adjustable)

Equipment rated power – 0,25 - 7 kW

Rated voltage of line – 220 - 380 V

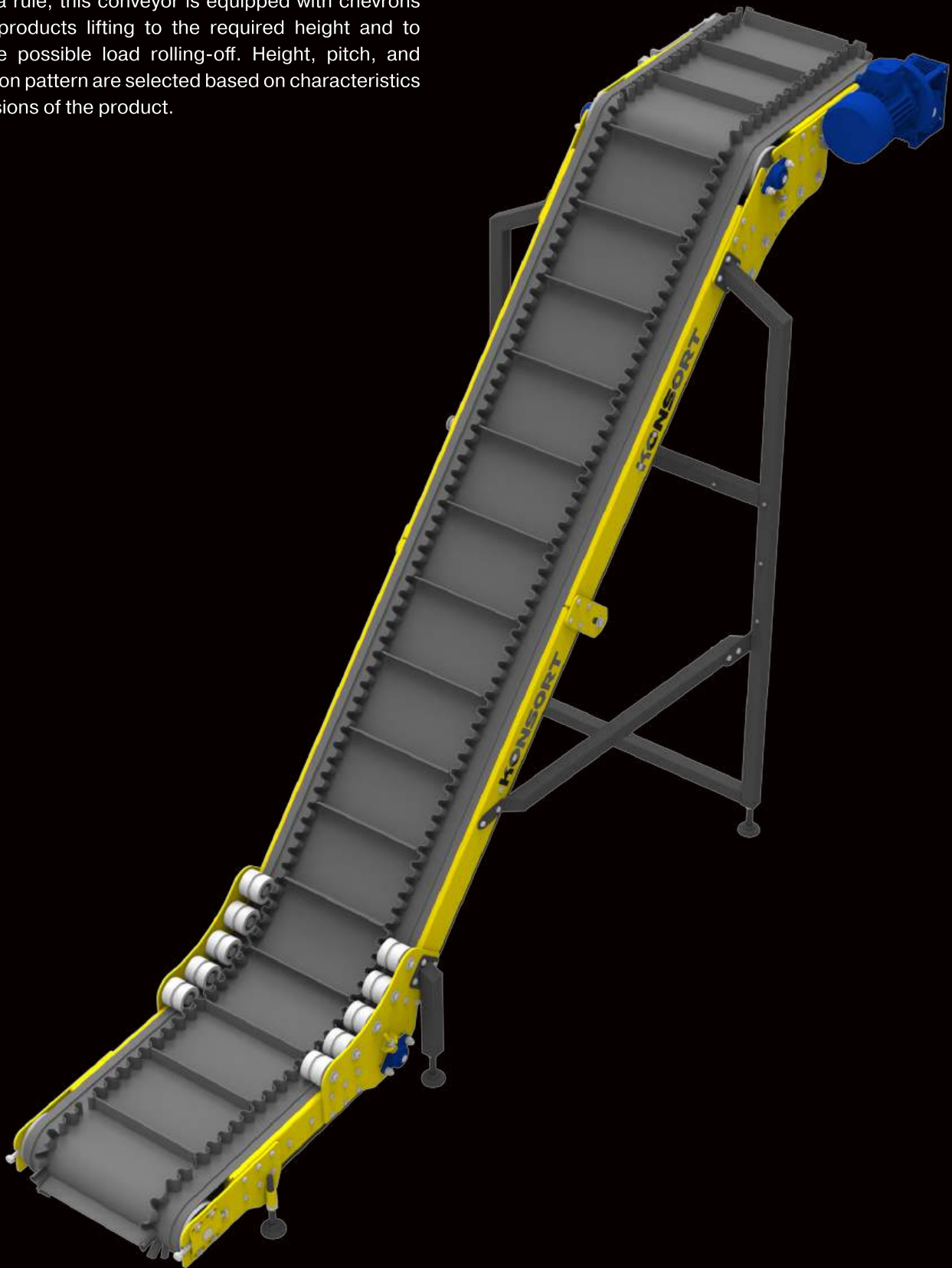
The equipment can be designed according to individual parameters necessary for the customer



Scan to view

Conveyor (bent) Z-shaped

Z-shaped conveyor is used when the customer needs to reduce the production area without compromising the line length, as well as for the transportation of small-sized goods. As a rule, this conveyor is equipped with chevrons to ensure products lifting to the required height and to exclude the possible load rolling-off. Height, pitch, and cross-section pattern are selected based on characteristics and dimensions of the product.



Technical characteristics:

Length – 500 - 25 000 mm

Belt width – 100 - 1 600 mm

Belt movement speed – 0,05 - 1 meter per second (adjustable)

Equipment rated power – 0,25 - 7 kW

Rated voltage of line – 220 - 380 V

Frequency – 50 Hz

The equipment can be designed according to individual parameters necessary for the customer.



Rotary conveyor



The main feature of the rotary conveyor is its track, it has a curved trajectory. This type of conveyor is used for joining two or more conveyors or for moving a product from one line to another. The conveyor properties are quite versatile, it can be used to transport various types of products and goods. The side sections of the conveyor can be equipped with collars to prevent possible roll-off of products.

Technical characteristics:

Length – 500 - 25 000 mm

Belt width – 100 - 1 600 mm

Movement speed – 0,05 - 1 meter per second (adjustable)

Equipment rated power – 0,25 - 7 kW

Rated voltage of line – 220 - 380 V

Frequency – 50 Hz

The equipment can be designed according to individual parameters necessary for the customer.



Scan to view

Straight conveyor



Straight conveyor with a modular belt is designed to transport raw materials and goods. This type of conveyor uses a different type of belt. It is easy to clean and wash from various types of contamination, and it allows you to work with an aggressive environment and temperature from -70 ° C to + 195 ° C. Tensioning mechanisms are provided to adjust the belt tension. The conveyor is equipped with adjustable guides on both sides. They are made of stainless steel. The conveyor is also equipped with a gear motor and a frequency converter. The equipment has a control panel, with emergency stop system, as well as start, stop and speed control buttons. The control panel wire is protected by a corrugated tube. Connection to power supply is 380 V. The conveyor is made of structural steel.

Technical characteristics:

Conveyor length – 1 000 mm

Height – 650 mm (adjustable ± 50 mm)

Belt width – 300 mm

Movement speed – 0,26-0,5 meter per second

Gear motor

Frequency converter

The equipment can be designed according to individual parameters necessary for the customer.

Modular belt conveyors

Vertical conveyor



The vertical conveyor is designed to move artificial goods (boxed, briquettes, packages, etc.), in the vertical plane (up and down) with significant different height sections of the transportation line. This conveyor can be supplied to the customer as an independent product with a set of linear-vertically movable loading platforms, in a rigid frame. The line can be also custommade, which includes a supply horizontal conveyor with an automated system to move the load to the loading platform of the vertical conveyor; vertical conveyor and outfeed conveyor with an automated system to remove the load from the loading platform of the vertical conveyor. Synchronization of conveyors transported elements can be used in automated systems of loading and unloading. Or devices for discrete supply and removal of cargo from loading platforms, using pneumatic drives, can be introduced for these purposes. Our vertical conveyors are equipped with all the necessary safety equipment such as safety guards, a control panel with a belt emergency stop system, and start, stop and speed control buttons.

Technical characteristics:

Height – 5 950 mm

Platform dimensions – 850 x 600 mm

Platform loading capacity – 20 kg
(evenly distributed load)

Motor reducer – 3 kW

Frequency converter

Noria (Bucket Elevator)



Vertical bucket elevator is an equipment to lift bulk cargo to a height without losses, thanks to buckets that prevent spillage of raw materials. This equipment is an ideal solution for lifting bulk goods in conditions of sharp tilt angles. Further more, the elevator takes up little space in the production area, which allows more space to be used for other equipment.

Technical characteristics:

Length – 1 000 - 15 000 mm

Gutter width – 100 - 800 mm

Movement speed – 0,05 - 1 meter per second (adjustable)

Equipment rated power – 0,25 - 7 kW

Rated voltage of line – 220 - 380 V

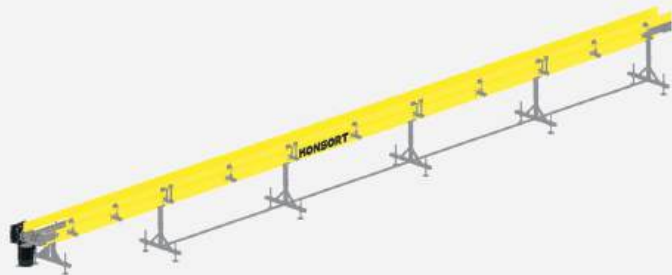
Frequency – 50 Hz

The equipment can be designed according to individual parameters necessary for the customer.



Scan to view

Inclined chain conveyor



The chain conveyor is a conveyor, the load-moving elements of which are chains. Chain conveyors are used increased tractive effort is required, for example, to move block products, bricks, pallets with medium and high loads (from 500 kg/m²), to transport wooden beams, etc. As a traction tool in chain conveyors, both a standard roller chain with one or more rows, and special chains with attachments of various configurations can be used.

Technical characteristics:

Length – 500 - 25 000 mm

Frame width – 100 - 1 600 mm

Belt movement speed – 0,05 - 1 meter per second (adjustable)

Equipment rated power – 0,25 - 7 kW

Rated voltage of line – 220 - 380 V

Frequency – 50 Hz

The equipment can be designed according to individual parameters necessary for the customer.

Bar conveyor



The bar conveyor is designed for product preliminary cleaning from husks and small debris, for further processing and transportation. This equipment allows you to reduce economic risks by reduction the number of workers and to speed up the processing of raw materials. The bar material is stainless steel (grade AISI 304). The material of the hopper and conveyor frame is structural steel. The hopper is covered with soft material to prevent product spoilage.

Technical characteristics:

Overall dimensions – 1 300 x 2 000 x 1 700 mm

Width of working surface – 500 mm

Bar diameter – 14 mm

Chain pitch – 19,05 mm

Motor reducer – 1,5 kW

Frequency convertor – 1 unit

The equipment can be designed according to individual parameters necessary for the customer.

Scraper conveyor

Scraper conveyors are designed to transport powder-like, granular and lumpy non-sticky cargo with temperature up to 100° C in various industries. The scraper conveyor is a closed chute formed by sequentially connected sections, inside which one or more lines of a closed traction chain with fixed scrapers move. The chains are tensioned with a special device. The conveyor track is inclined. The scraper conveyor usually has high performance characteristics, in particular, productivity and endurance, regardless what material you have to work with. Therefore, this equipment is widely used in such industries as grain processing enterprises, reception departments of automobile and railway transport, oil extraction and feed mills, and others.

Technical characteristics:

Height – 500 - 25 000 mm

Frame width – 100 - 600 mm

Movement speed – 0,05 - 1 meter per second (adjustable)

Equipment rated power – 0,25 - 7 kW

Rated voltage of line – 220 - 380 V

Frequency – 50Hz

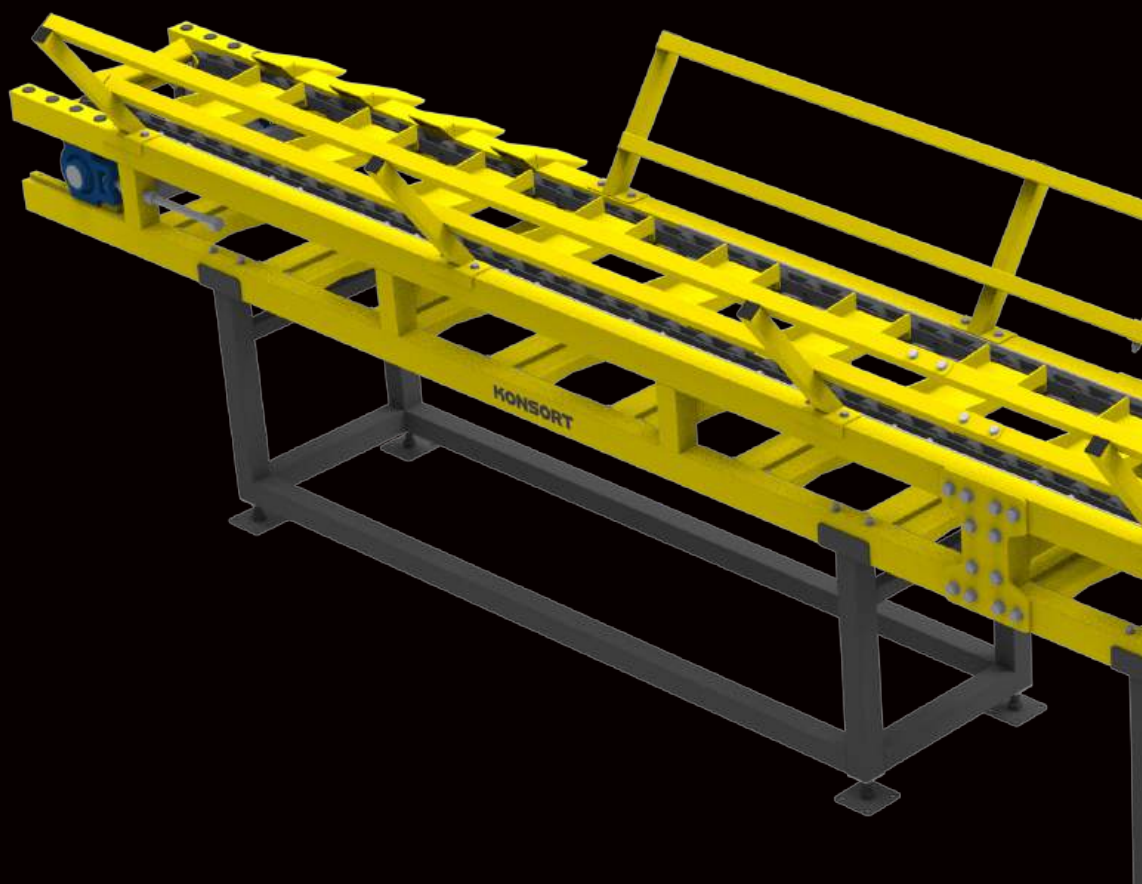
The equipment can be designed according to individual parameters necessary for the customer.



Chain conveyor

A chain conveyor is a conveyor with a chain as its main load – carrying element. Chain conveyors are used in cases to move heavy loads (from 500 kg/m²), such as bricks, wooden bars, etc.

This conveyor is designed to transport products between the debarker and the peeling machine. The cargo is a wooden workpiece. The conveyor is equipped with a pneumatic dumper, which enables automatic movement of the cargo from one conveyor to another.



Technical characteristics:

Overall dimensions – 6 000 x 400 x 1 000 mm

Cargo – wooden workpiece with dimensions from 300 to 700 mm in diameter

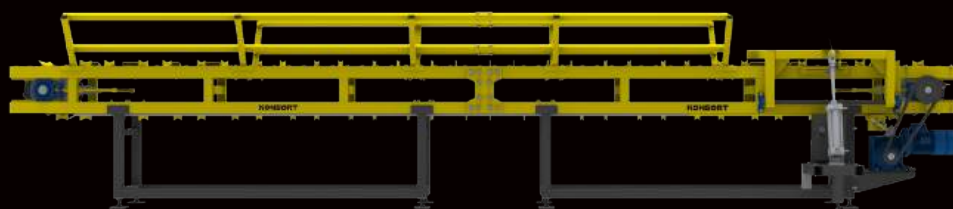
Cargo weight – 200 kg/unit

Chain – M-112-2-150-1 with attachment

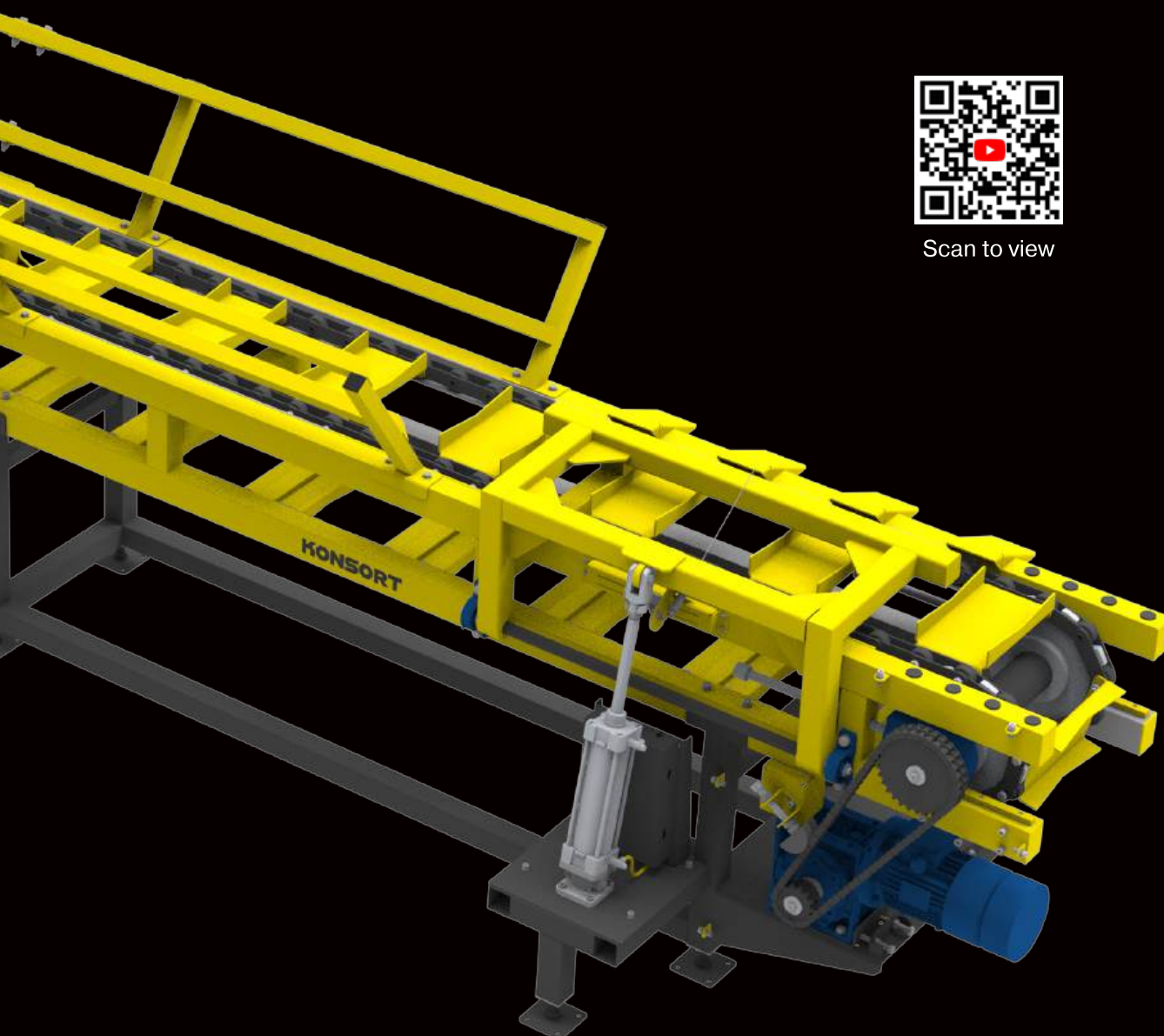
Power consumption – 4 kW

Speed – 0,3 m/sec

Material of manufacture – structural steel with powder painting



Scan to view



Roller conveyors

Non-drive roller conveyor

Non-drive roller conveyor is used to move artificial goods, such as boxes, boards, pipes, etc. Loads move on the roller conveyor with the help of gravity or the operator's efforts. Depending on the overall dimensions of the products, we choose rollers pitch, their type and working width.

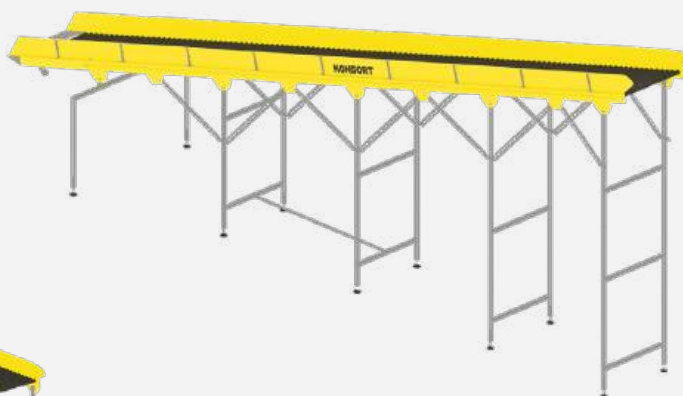
Technical characteristics:

Overall dimensions – 3 000 x 500 x 600 x 1 000 mm

Roller working surface length – 400 mm

Central distance between rollers – 150 mm

Loading capacity – up to 1 500 kg



Non-drive roller conveyor pantograph



The pantograph roller conveyor is designed to transport various load like boxes, wheels, car parts, ect. The equipment is distinguished by its flexible design, which makes it possible to manufacture equipment on a twisting trajectory. And it is very convenient if you need to move the load around obstacles. When folded, the sliding roller conveyor is very compact – only 1/3 of the unfolded length. Therefore, little storage space is required. The sliding roller conveyor can be equipped with industrial wheels with a reliable locking mechanism that ensures their fixation while working. This makes it easy to move it anywhere.

Technical characteristics:

Length – 4 000 -12 000 mm

Height – from 300 mm

Roller pitch – 60 mm -180 mm

Loading capacity – 50 kg



Scan to view

All of the listed equipment can be designed according to individual parameters necessary for the customer.

Driven roller conveyor pantograph



The driven pantograph roller conveyor is designed to transport various load like boxes, wheels, car parts, ect. The equipment is distinguished by its flexible design, which makes it possible to manufacture equipment on a twisting trajectory. And it is very convenient if you need to move the load around obstacles. When folded, the sliding roller conveyor is very compact – only 1/3 of the unfolded length. Therefore, little storage space is required. The sliding roller conveyor can be equipped with industrial wheels. This makes it easy to move it anywhere. The wheels are equipped with a reliable locking mechanism that ensures their fixation while working. The conveyor is equipped with a motor reducer with a frequency converter.

Technical characteristics:

Length – 4 000 - 12 000 mm

Height – from 300 mm

Roller pitch – 60 mm -180 mm

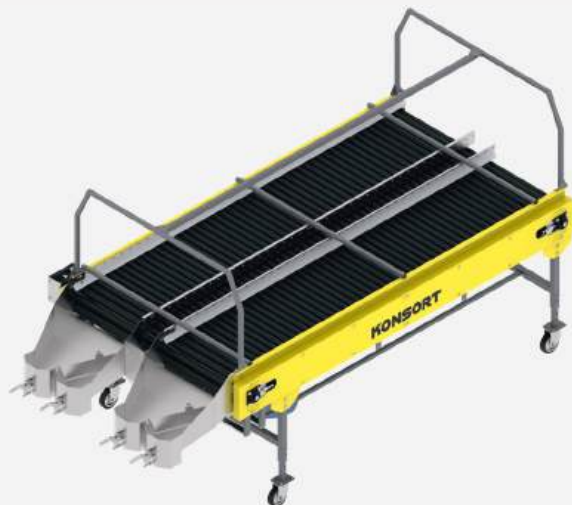
Motor reducer – 0,55 kW (4 units)

Frequency converter – 2,2 kW

Roller speed – 0 -30 m / min

Loading capacity – 50 kg

Inspection roller table



The inspection roller table is reliable equipment that allows you to carefully and manually sort different types of vegetables. Vegetables are moved and rotated and they are easy to check manually and to send to another transport compartment, from which they are sent to a waste container or another belt conveyor for further selection and sorting.

Technical characteristics:

Overall dimensions – 3 000 x 1 000 x 850 mm

Board height – 30 mm

Motor reducer – 2,2 kW

Connection to power supply – 380 V





Driven roller conveyor

Driven roller conveyor is designed to move artificial goods with a flat bottom, for example, boxes, pallets, wooden blanks, trays with products, etc. The load goes on rollers which, unlike a non-driven roller conveyor, are driven by a motor reducer, chains and sprockets. Unlike belt conveyors, roller conveyors can move heavy loads up to 1 500 kg for 1 m³.

Technical characteristics:

Overall dimensions – 400 x 400 x 600 mm

Movement speed – 0,05 - 1 meter per second (adjustable)

Equipment rated power – 0,75 kW

Rated voltage of line – 220 - 380 V

Frequency – 50 Hz

The equipment can be designed according to individual parameters necessary for the customer.



Scan to view

Z-shaped conveyor

Z-shaped conveyor is an inclined conveyor with horizontal loading and unloading areas. Inclined belt conveyors as a rule are equipped with chevrons to ensure product lifting to the required height and to exclude the possible load rolling off. The belt runs on the frame deck. Tensioning mechanisms are provided to adjust the belt tension. Transverse profile height and pitch are selected based on the characteristics and dimensions of the product and the belt conveyor design. The conveyor is equipped with a casing along the entire length. The frame is made of structural steel. The conveyor is equipped with a motor reducer with a frequency converter.

Technical characteristics:

Horizontal part length – 2570 mm and 1530 mm

Belt width – 500 mm

Chevron height – 70 mm

Chevron pitch – 200 mm

Corrugated board – 80 mm

Belt type – PVC, Italy Chiorino

The equipment can be designed according to individual parameters necessary for the customer.



Scan to view

Two-level inspection table



Two-level inspection table is designed for visual quality control of bulk products to be further processed (frying, drying) or packaged. There is a hopper with a slide gate and a magnetic vibrator. The hopper is made of food grade stainless steel. Unloading branch pipe with separate lines for clean products and debris is made of food grade stainless steel. A lighting system of workplaces is provided. The belt speed is adjustable. The frame is made of structural steel.

Technical characteristics:

Motor reducer – 0,55 kW (2 units)

Frequency converter – 1,5 kW

Belt type – PVC, 2 mm

Chevron sizes – 10 x 6 mm

The equipment can be designed according to individual parameters necessary for the customer.



Scan to view

Chute conveyor



Chute conveyor to transport food and non-food bulk cargo at an angle. This conveyor is quite convenient to use and maintain. Inclined chute conveyor is mostly used in cases of height differences in the transport area and to carefully lower or lift the load to a height of 5.5 meters. If there are minimal inclinations, a regular belt without boards and chevrons is enough. If the inclination is more than 20 degrees, we recommend a belt with chevrons. The belt can move along the roller supports which form a chute. It allows you to prevent spilling of products in problem areas while moving or an abrupt stop. All the roller supports are equipped with external bearing units, which allows maintenance (bearing lubrication) without disassembling the equipment.

Technical characteristics:

Length – 500 - 25 000 mm

Belt width – 100 - 1 600 mm

Movement speed – 0,05 - 1 m/s (adjustable)

Tilt angle – from 5° to 45°

Equipment rated power – 0,25 - 7 kW

Rated voltage of line – 220 - 380 V

Frequency – 50 Hz

Non-drive roller conveyor

Inclined conveyor is designed to transport berries and fruit to the next processing stage, it helps to accelerate production processes. Depending on the characteristics of products feeding equipment, the characteristics of the feeding methods are also selected. The conveyor prevents spilling of products when moving along the belt and is equipped with a hopper. Depending on the type of product, we will choose the best version of inclined conveyor that meets the needs of your production. The belt runs along the deck. The conveyor is equipped with support rollers to prevent the belt from sagging. Tensioning mechanisms are used to regulate the tension. The conveyor is made of structural steel or stainless steel.

Technical characteristics:

Belt type – PVC, 2 mm

Conveyor length – 5 000 mm

Belt width – 800 mm

Motor reducer – 1,5 kW

Frequency converter

The equipment can be designed according to individual parameters necessary for the customer.



Scan to view

Inspection table

An inspection sorting conveyor is necessary for quality control and sorting of raw materials such berries, fruit, nuts. The design makes it possible to manually select low-quality products out of the general product flow. The number of workplaces may vary depending on your needs. The equipment is made of structural steel, stainless steel or can combine both materials. The equipment can be provided with lighting system and hoppers.

Technical characteristics:

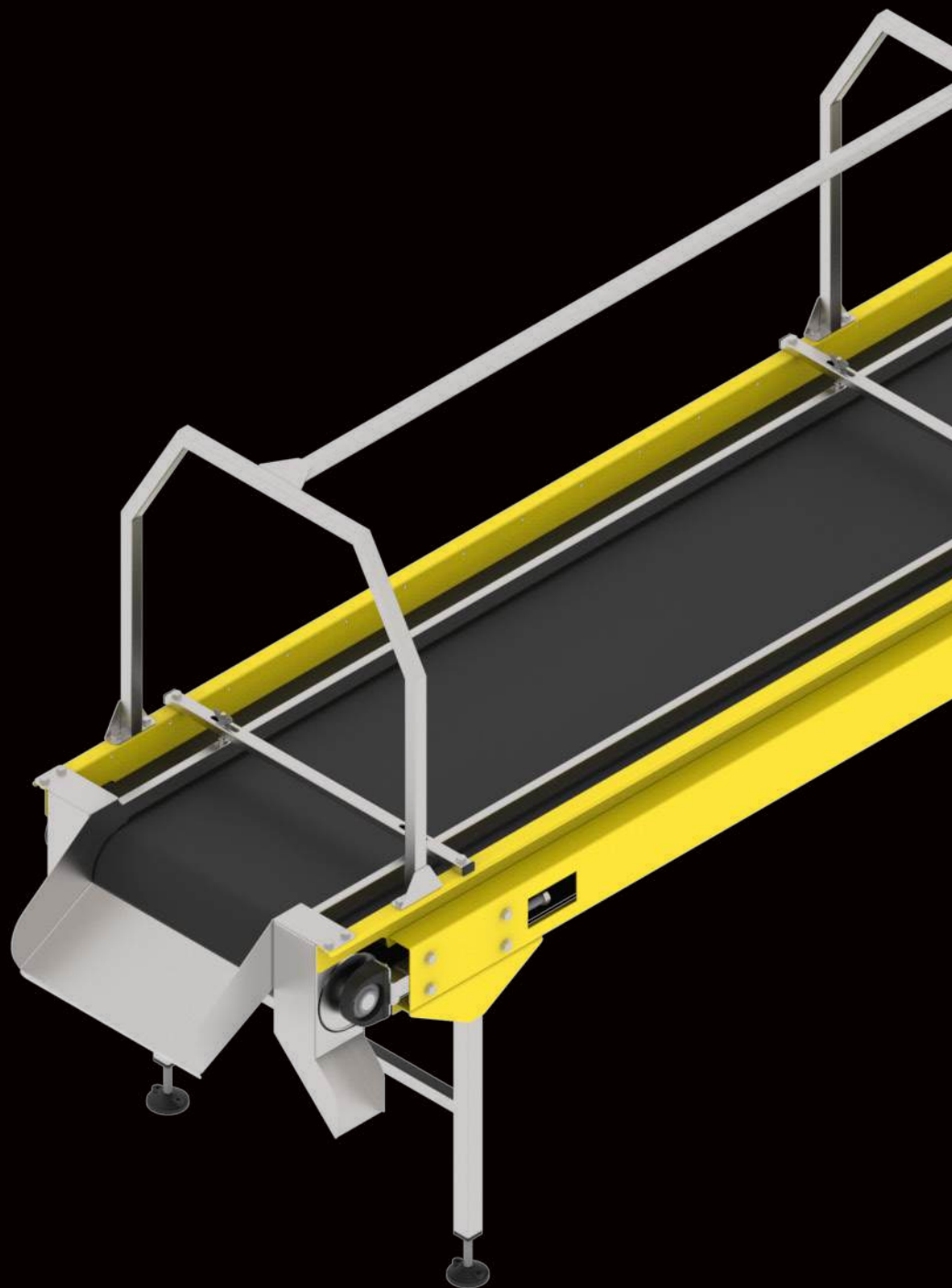
Overall dimensions – 5 000 x 800 x 850 mm (adjustable +/- 200)

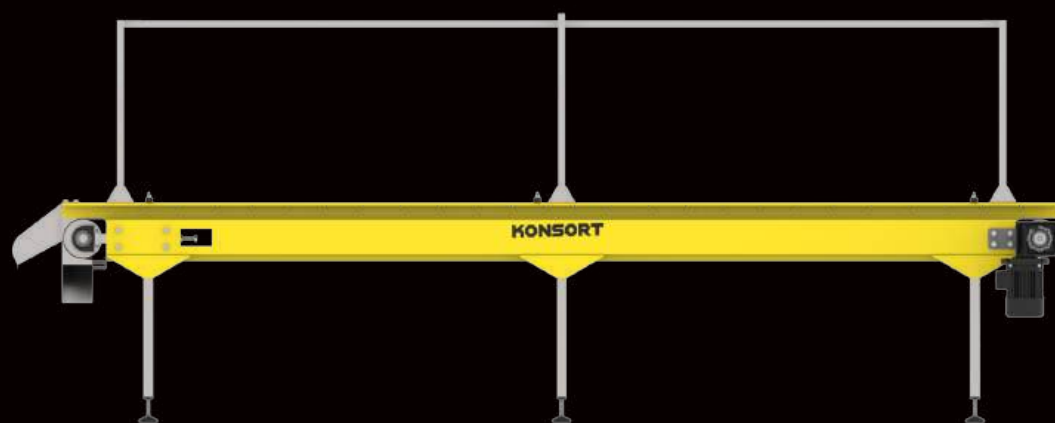
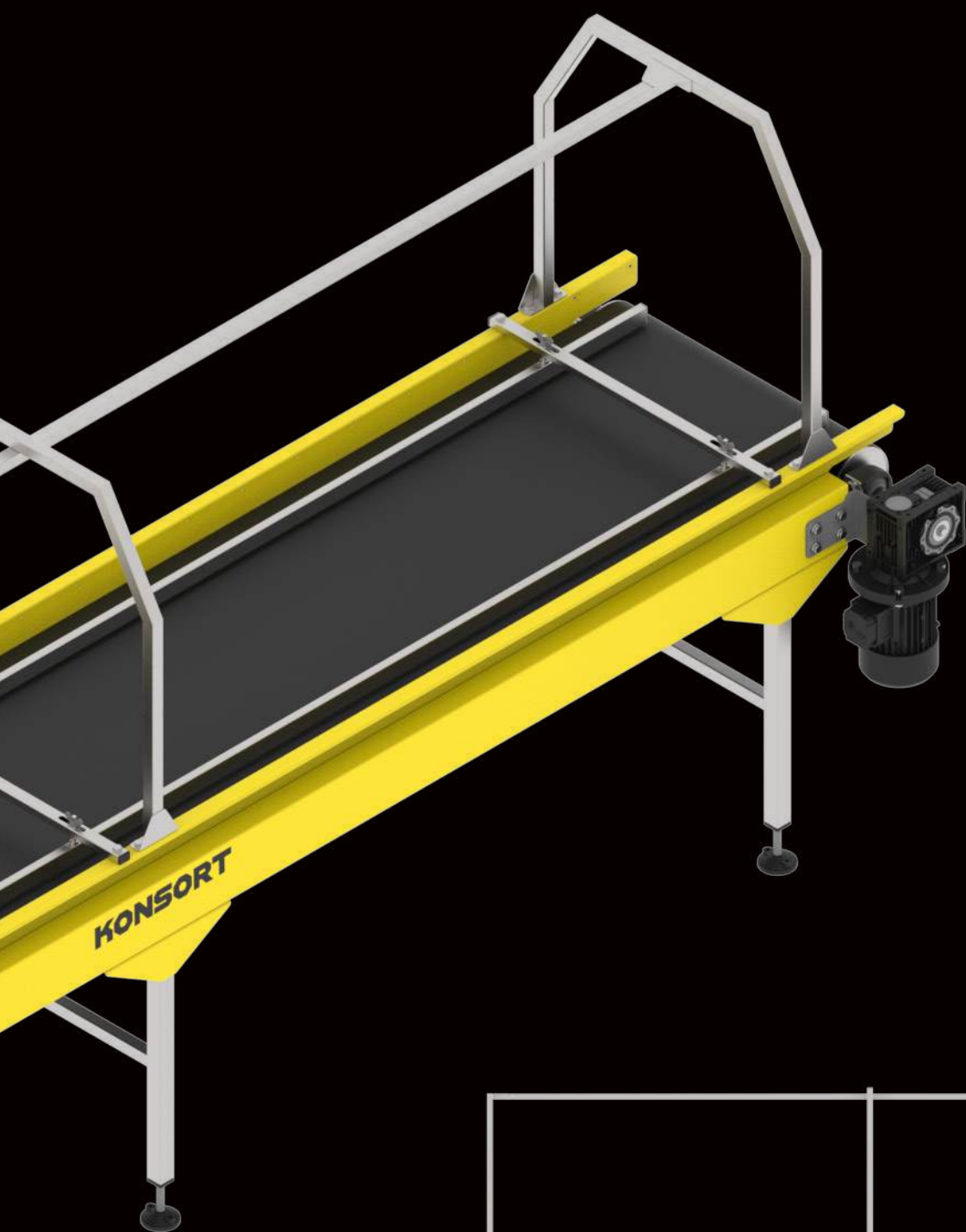
Board height – 100 mm

The equipment can be designed according to individual parameters necessary for the customer.



Scan to view





Straight conveyor



Horizontal belt conveyor can be used in many industries. This type of conveyor has many advantages as it is simple and easy to install and operate, and setting up the conveyor does not take much time. The conveyor supports are equipped with swivel wheels with brakes. The belt runs along the deck. There are support rollers to prevent belt sagging, and tensioning mechanism are used to adjust the tension. The conveyor is made of structural steel. The equipment meets international safety standards and is manufactured in accordance with modern standards.

Technical characteristics:

Belt type – PVC, 2 mm

Conveyor length – 10 000 mm

Belt width – 800 mm

Conveyor height – 800 mm (adjustable +/- 50 mm)

Wheel diameter – 200 mm

Motor reducer – 1,5 kW

Frequency converter

The equipment can be designed according to individual parameters necessary for the customer.

Folding conveyor (telescopic)



Telescopic conveyor is a variable length conveyor that is placed inside trailers, containers and vans to unload and load products in a safe, fast and inexpensive way. The conveyor has a lighting system, which simplify the work. The possibility of reversible movement of the conveyor allows it to be used both for loading and unloading from a vehicle. The belt is automatically adjusted along the entire length of the conveyor.

Technical characteristics:

Stationary part dimensions – 8 500 x 900 x 700 mm

Unfolded length – 21 500 mm

Belt movement speed – 0,5 m / s (adjustable)

The equipment can be designed according to individual parameters necessary for the customer.

Screw conveyors

Berry stem separator



One of the most important tasks of cleaning frozen berries is separation of stems. Consumers have very high product requirements in this parameter. To carry out this type of mechanical cleaning our company manufactures screw stem separator, designed for a flow of 1.5-2 tons per hour. The separator is equipped with a loading hopper and a tray for detached stems. There is a spare set of brushes (for screw conveyor) and a spare mesh drum separator. The equipment is made of food grade stainless steel AISI 304.

Technical characteristics:

Overall dimensions – 3 500 x 700 mm

Productivity – 1 000 kg/h

Motor reducer – 1,5 kW

Connection to power supply – 380 V

The equipment can be designed according to individual parameters necessary for the customer.

Straight conveyor



Screw conveyors are widely used both in agriculture and industry. The conveyor has a simple structure which is based on the screw. It consists of a helical shaft that rotates in a chute and has an inlet and outlet in the housing. The base material is stainless steel.

Technical characteristics:

Pipe base diameter – 114 mm

Screw petal thickness – 3 mm

Wire pitch – 100 mm

Motor reducer – 1,5 kW

The equipment can be designed according to individual parameters necessary for the customer.



Scan to view

03

Calibrators

Economic effect



productivity:
+140%



product quality:
+70%



safety:
+35%



expenses:
-45%

KONSORT

Calibrators

Belt calibrator

Belt calibrator is designed for sizing round products such as onions and garlic into fractions. The calibration process is performed due to vibrations of perforated belts with specific cells. Moving along the equipment, the product enters the cells corresponding to its size and goes along trays.

Technical characteristics:

Length – 800 - 8 000 mm

Frame width – 500 - 1 600 mm

Equipment rated power – 0,25 - 7 kW

Rated voltage of line – 220 - 380 V

Frequency – 50 Hz

The equipment can be designed according to individual parameters necessary for the customer.



Rotary calibrator

Rotary calibrator is a large drum device with different sized holes. The product is loaded into this drum, it rotates and during the movement goes through the holes depending on the size. Debris and other dirt are sifted out. As a result, you get product sorted by its size, which can be packaged or sent for further processing according to your technological process.

Technical characteristics:

Rotor diameter – 630 mm

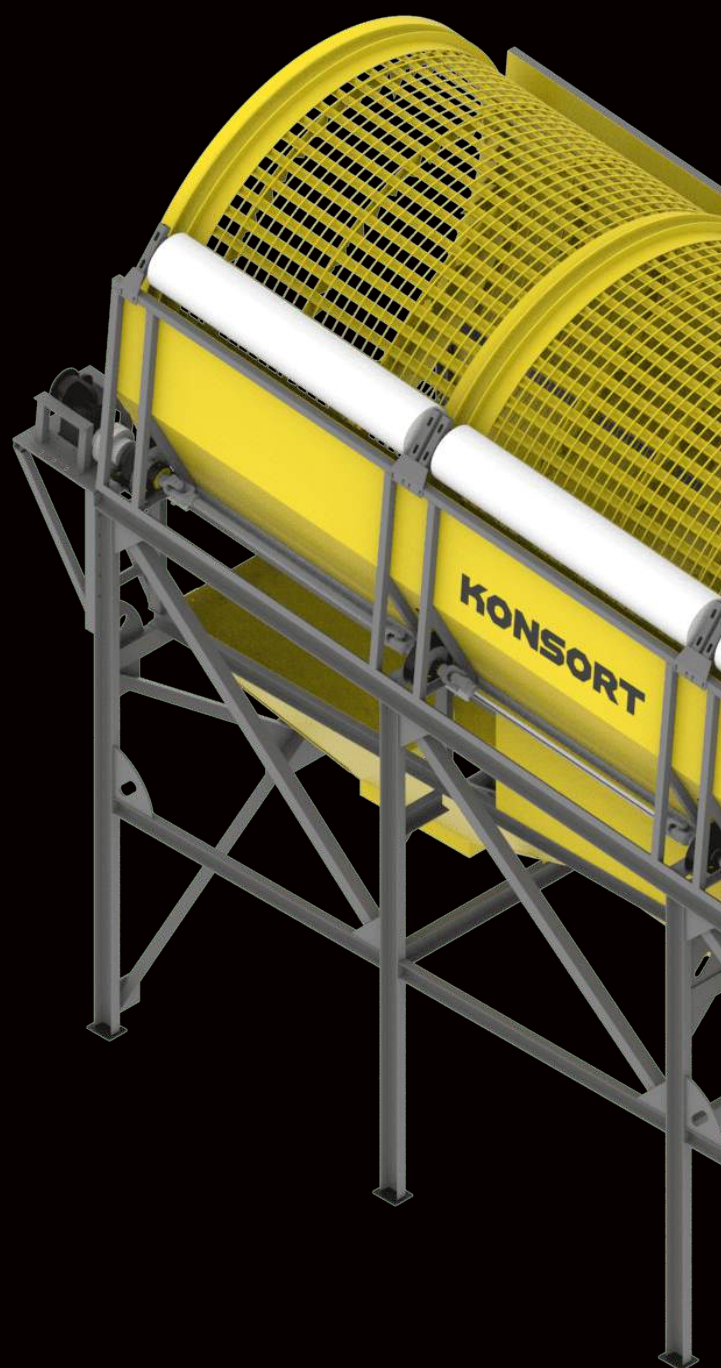
Total length – 5 500 mm

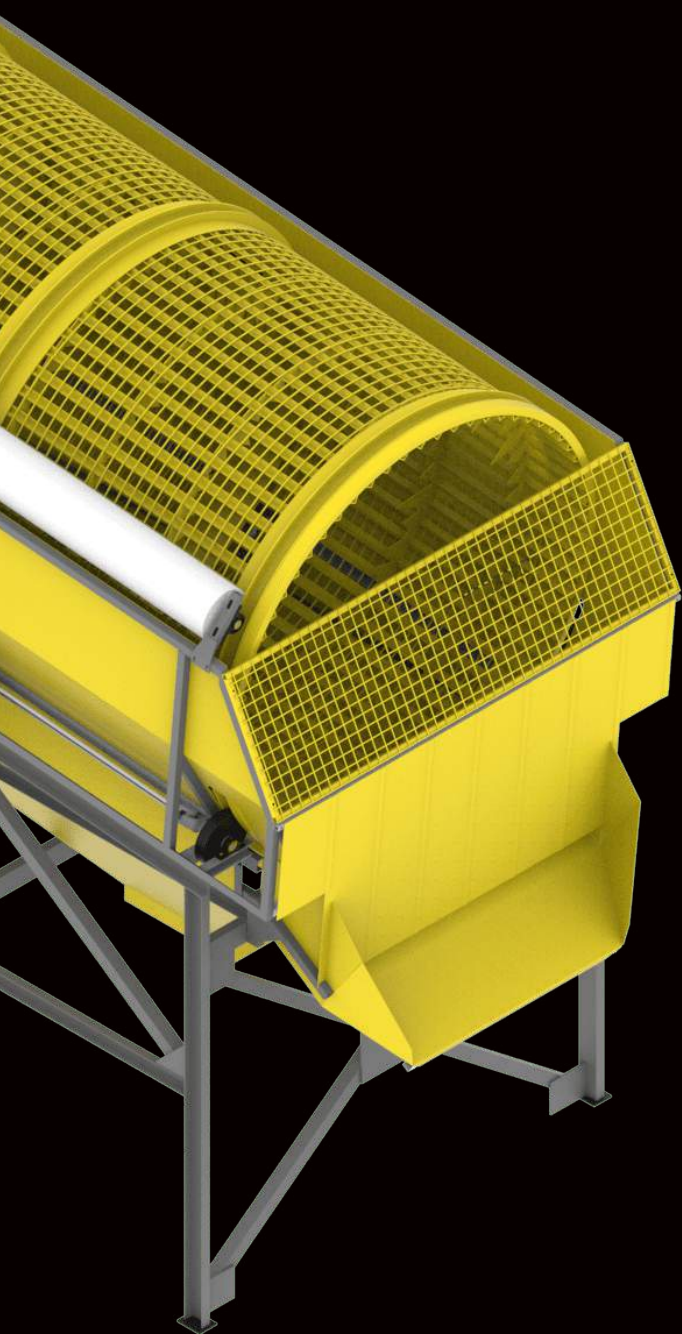
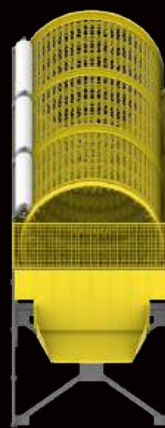
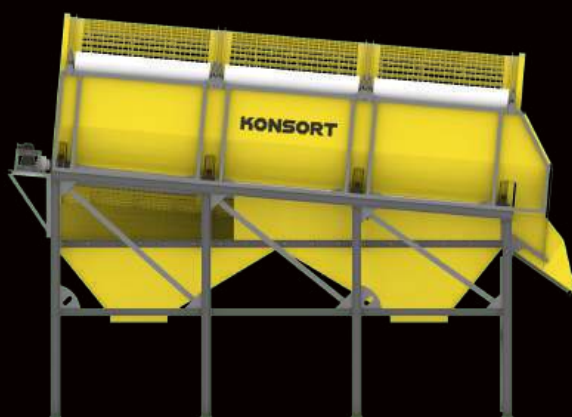
Drum wall thickness – 4 mm

Fraction size – 27 mm, 30 mm, 32 mm,
35 mm, 38 mm

Motor reducer – 1,5 kW

The equipment can be designed according to individual parameters necessary for the customer.





Belt calibrator

Belt calibrator is designed for sorting mushrooms, fruit (plums, strawberries, apricots, and peaches) into fractions. The equipment consists of several hoppers which are located on a frame with wheeled legs. Frame, legs, and bearing are made of structural steel. The conveyor is equipped with calibration belts. The product can be sized from 2 to 4 cm, from 4 to 5 cm, and from 6 to 8 cm. The calibrator is equipped with a control box with a belt emergency stop system, and start, stop and speed control buttons. The equipment is manufactured in accordance with all safety standards and international quality standards.



Technical characteristics:

Overall dimensions – 3 600 x 1 000 mm

Motor reducer – 0,75 kW

Connection to power supply – 220 - 380 V

The equipment can be designed according to individual parameters necessary for the customer.

Vibration calibrator

The vibrating sieve is designed for mechanical separation of raw materials into fractions. The vibrating sieve consists of a frame where a storage hopper and an electric motor are located. A block of calibration sieves is installed with the shock absorbers. The vibration amplitude is regulated by the counterweight. The product to be divided into size fractions is fed into the storage hopper. From the storage hopper under the influence of vibrations, the product goes down the sieve surface. When moving the product is classified by its size (depending on the sieves holes size).

Technical characteristics:

Overall dimensions – 500 - 1 600 x 500 - 2 000 mm

Equipment rated power – 0,25 - 7 kW

Rated voltage of line – 220 - 380 V

Frequency – 50 Hz

The equipment can be designed according to individual parameters necessary for the customer.



Scan to view



04

Elevators and tipppers

Economic effect



productivity:
+65%



product quality:
+45%



safety:
+60%

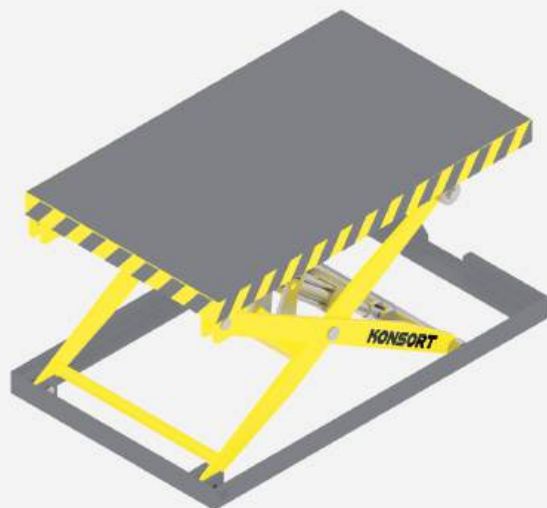


expenses:
-30%

KONSORT

Elevators and tippers

Lifting platform (table)



The hydraulic lifting platform is easy to operate, it has smooth movements and ensures the product and personnel safety especially when lifting oversized loads. Lifting capacity of elevators and lifting platforms can be up to 10 tons. Several pairs of scissors and large working surfaces are suitable for the most difficult tasks.

Technical characteristics:

Platform length – 2 000 - 10 000 mm

Platform width – 1 500 - 1 700 mm

Maximum lift height – 6 500 mm

Scissors number – 1 - 3 units

Loading capacity – 1 000-10 000 kg

The equipment can be designed according to individual parameters necessary for the customer.

Bag tipper



The bag tipper provides fast, easy and safe products unloading. The equipment is designed for lifting bags with product and transferring them to a storage hopper or for further transportation along the line. The tipper is driven by a pneumatic cylinder.

Technical characteristics:

Overall dimensions – 450 x 1 200 x 1 150 mm

Maximum equipment height – 2 035 mm

Tipping speed – 10 seconds

The equipment can be designed according to individual parameters necessary for the customer.

Mobile ramp



Mobile ramp is specialized loading equipment in the form of an inclined platform. It is mostly used in warehouses, logistics complexes for mobile unloading of freight transport, when there is no a stationary ramp or when several pieces of equipment are unloaded at the same time.

Technical characteristics:

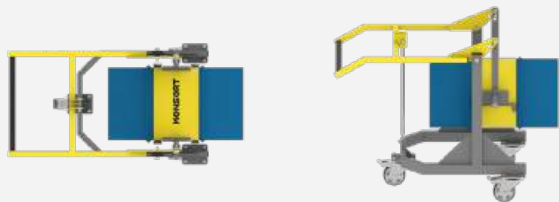
Overall dimensions – 10 000 x 2 000 x 1 300 mm

Loading capacity – 6 tons

Lift height – adjustable

All of the listed equipment can be designed according to individual parameters necessary for the customer.

Barrel tipper (barrel carrier)



The barrel tipper (barrel carrier) is designed for storage and transportation of barrels, their tilt so to fill into other containers.

Technical characteristics:

Loading – 300 kg

Made of structural steel with anti-corrosion painting

The equipment can be designed according to individual parameters necessary for the customer.

Folding bridge



Folded bridge can be installed on a ramp or a frame to compensate the height difference of warehouse floor and the back of the truck. The most optimal way to use such equipment is when the height difference does not exceed 360 mm. The design can be of hydraulic or mechanical type.

Technical characteristics:

Loading capacity – up to 4 000 kg

Platform width – 1 250 - 2 000 mm

Platform length – 1 500 - 2 000 mm

Ramp length– 400 mm

Main sheet depth – 5 mm

Ramp sheet thickness – 14 mm

Container tipper

We offer simple and convenient means of lifting and transport operation mechanization to improve production efficiency and to reduce the risk of industrial injuries. Our equipment allows you to maximize usability of your operating time and increase your productivity. The tipper is manufactured according to container dimensions. Such equipment is designed to work with boxes of different sizes and volumes, which significantly expands the functionality of any production process. Moreover, equipment of such models is capable not only of moving container, but also successfully fixing them at the angle necessary for unloading.

Technical characteristics:

Length – 800 - 1 600 mm

Frame width – 800 - 1 600 mm

Lift height – 800 - 2 500 mm

Loading capacity – 400 - 2 000 kg

Equipment rated power – 0,25 - 7 kW

Rated voltage of line – 220 - 380 V

Frequency – 50 Hz

The equipment can be designed according to individual parameters necessary for the customer.



Barrel tipper

Designed for tipping barrels in order to move the barrel capacity to the destination. Lifting and tipping of the barrel due to the motor and toothed belt.

Technical characteristics:

Motor – 0,75 kW

Drum weight – 100 kg

Unloading height – 1,5 m

Material of manufacture – structural steel with powder painting.



05

Washing and cleaning

Economic effect



productivity:
+40%



product quality:
+75%



safety:
+45%



expenses:
-35%

KONSORT

Washing and cleaning

Brush sink for strawberries (up to 1 000 kg / h)



Brush sink is used as a second degree cleaning equipment (after cleaning in a bubble washer). The product goes through the following stages: at first, strawberries are loaded into a brush sink after being washed in a bubble washer. Then the raw material is picked up by rotating brushes, which clear berries from sand. The products are washed with running water which runs from the top out of nozzles and then goes into the drain hole located on the side of the sink. Clean berries can be transferred onto inspection tables for further sorting by operators. The equipment is made of food grade stainless steel.

Technical characteristics:

Overall dimensions – 1 200 x 500 mm

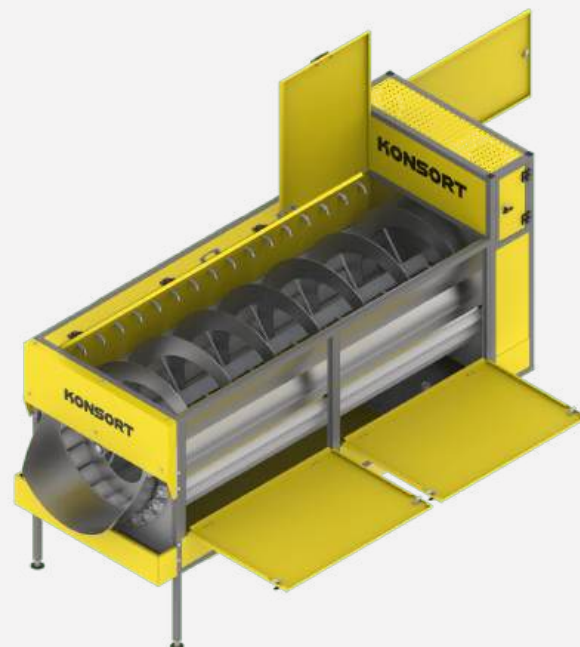
Number of brushes – 10 units

Brush material – polyamide (nylon)

Motor reducer – 0,55 kW

The equipment can be designed according to individual parameters necessary for the customer.

Brush sink for roots and nuts (from 1 000 kg / h with a screw)



The sink is a container with U-shaped rotating brush rollers and water nozzles. It has a modern, rational, and compact design. High functionality allows washing vegetables using one equipment, and there is no need to purchase separate equipment. The number of maintenance personnel and the need for production space are reduced. Root crops are loaded from the above into the washing equipment on rotating shafts, water is supplied from nozzles above. Rotating shafts carry out movements, washing root crops. After the root crops are cleaned well enough, the operator opens the side cover of the sink container, and nut due to the shafts rotation are automatically thrown out onto the take off tray. You can place a basket, cart or other container under the take off tray to collect clean products. After the root crops are unloaded the operator closes the side cover and puts a new portion of products. The sink is equipped with a control box with an emergency stop system; and start and stop buttons.

Technical characteristics:

Overall dimensions – 600 x 1100 x 1 800 mm

Brushes length – 1 200 mm

Motor reducer – 1,5 kW

Fruit and vegetable drum washer with discharge conveyor

The drum washer is designed for washing fruits and vegetables with a hard structure in processing lines. Washing takes place by friction of the product with the walls of the drum and each other. Along the washing zone, the produce is partially dipped in water, which is supplied through nozzles. After washing, the products are removed from the drum by a food-grade discharge conveyor for the next processing stage. The production capacity is 5 tonnes per hour.

Technical characteristics:

Width – 800 mm

Drum diameter – 1 000 mm

Length – 4 000 mm

Diameter of the water inlet/outlet pipe – 25/150 mm respectively

Power consumption – 2,95 kW

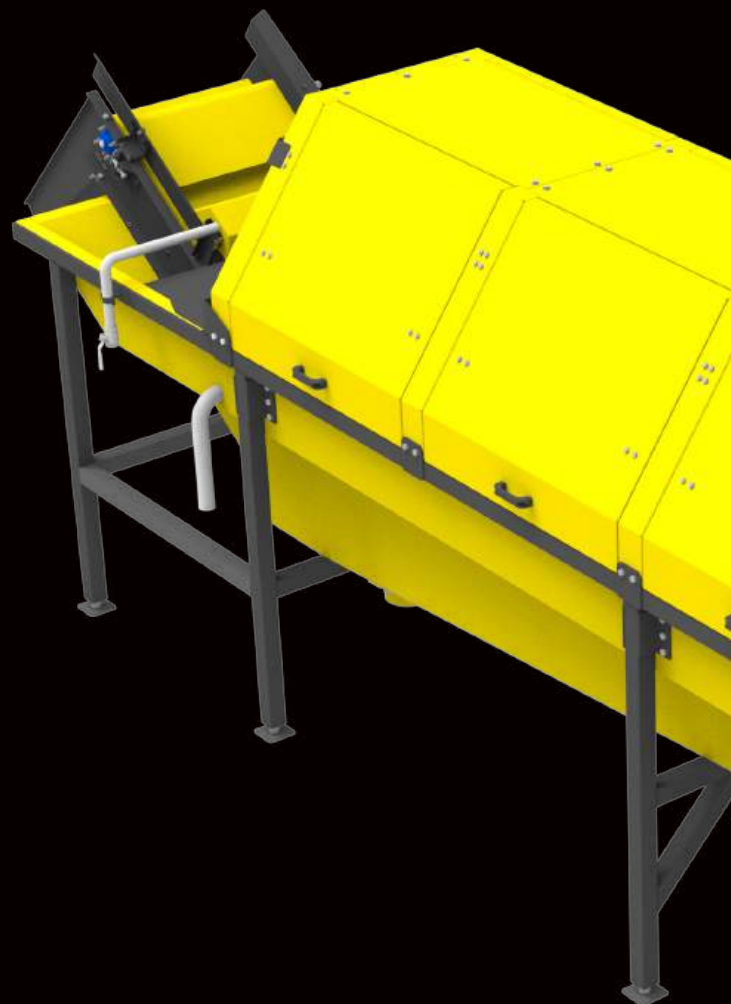
Drum material – stainless steel in places of contact with water and product; drum frame and other elements that do not come into contact with the product – powder-painted steel

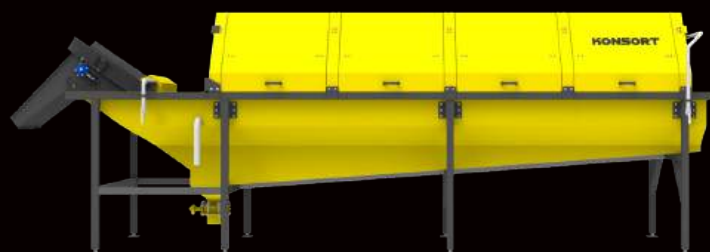
Control panel on a remote stand with the possibility of placing it within 20 m from the equipment

The equipment can be manufactured according to individual parameters required by the customer.

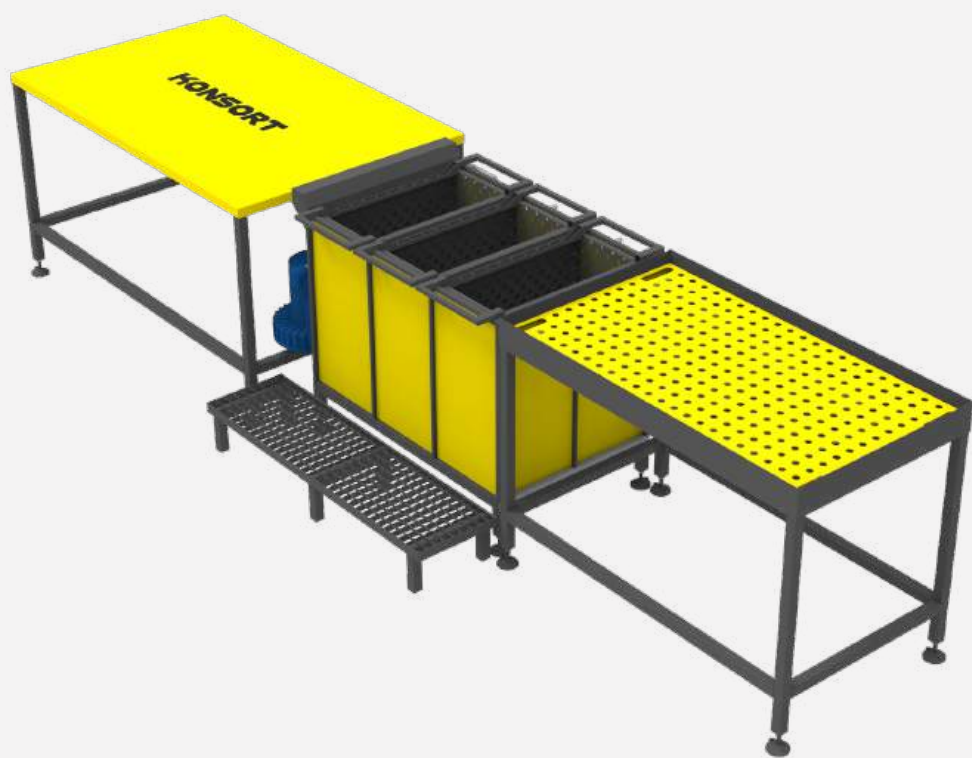


Scan to view





Bubbling washer for disinfecting eggs



The washing machine is designed to disinfect the product (eggs). It is divided by steel dividers into three sections, each of which is hermetically sealed and has a separate water drain. When the equipment is started up, the bubbling system is started in three sections simultaneously. The product (eggs) is packed into plastic trays and loaded into a mesh shelf. The trays are placed one on top of each other in two rows, 10 units per each row. The level of product washing is determined by the operator. The air supply is adjustable for bubbling force. Once the product has been properly washed, the operator moves the shelf to another section of the washer. Optional tables and ladders for equipment maintenance are available for purchase separately.

Technical specifications:

- Tray dimensions – 300 x 300 x 55/60 mm
- Loading shelf – 700 x 650 x 350 mm – 3 pcs
- Number of trays in the shelf – 20 pcs
- Number of sections – 3,
separation – the wall 1.5 mm thick
- Gear motor – 0,75 kW
- Control panel – start/stop buttons
- Connection – 380 V

Material of manufacture – stainless steel AISI 304

The equipment can be manufactured according to individual parameters required by the customer.



Drying machine with felt rollers



Scan to view

The machine is designed to dry fruit and vegetables from water and send them to the next processing stage. The drying process is carried out by rotating rollers made of steel with a felt coating. The felt absorbs liquid from the products that pass through it, and additional rollers under the felt rollers squeeze the liquid out of them. The product is then transported through the outlet tray to the next processing stage. Felt is ideal for this task, as it absorbs humidity efficiently and prevents product decay. It works dryly, without humidity getting into other mechanisms. The large width of the working surface, which allows you to process large quantities of vegetables at the same time, guarantees high productivity.

Technical characteristics:

Overall dimensions– 2 700 x 1 200 mm,
working width – 950 mm

Number of shafts – 24 pcs, material of
manufacture – steel with felt coating,
diameter – 95 mm

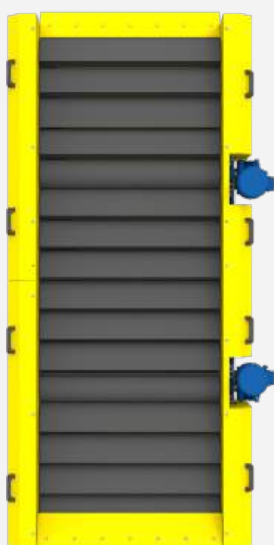
Number of spinning shafts – 24 pcs, material of
manufacture – galvanised steel, diameter – 50 mm

Material of manufacture – powder-painted steel,
outlet tray – stainless steel AISI 304 with a food grade

Power consumption – 2,2 kW

The speed of the rollers is regulated by a frequency
converter

Control panel on a remote stand with the possibility
of placing it up to 20 m from the equipment.



Drying chamber for nuts



This equipment is used to dry the product for further sorting. Nuts are placed in a dryer with hot air supplied by fans. In such dryers the whole process takes 20-48 hours. Temperature and air circulation power are the factors that contribute to the artificial drying. Drying chamber frame is made of structural steel. In places of contact between nuts and metal the equipment is made of food grade stainless steel.

Technical characteristics:

Overall dimensions – 2 000 x 1 000 mm

Heater power – 12 kW

Motor reducer – 1,1 kW

Blowing temperature – 55 - 62°C

The equipment can be designed according to individual parameters necessary for the customer.

Belt winnower (for berries)



Belt winnower for berries is a new generation device designed to remove leaves and small debris from berries. The winnower is mobile, equipped with rotating wheels placed in galvanized casing. The conveyor frame is made of ferrous metal. The receiving hopper, blowing chamber and places where product contacts with metal are made of stainless steel.

Technical characteristics::

Overall dimensions – 4 400 x 800 mm

Belt width – 600 mm

Chevron height – 40 mm

Chevron pitch – 200 mm

Motor reducer – 0,55 kW

Blowing chamber width – 1 300 mm

The equipment can be designed according to individual parameters necessary for the customer.

Equipment for trimming garlic and onion stem



Equipment for trimming garlic and onion makes the process of trimming product roots and stems much easier. The equipment is designed for 2 people. It is possible to adjust the speed of knives rotation using a frequency converter. The equipment fully complies with all safety standards and regulations.

Technical characteristics:

Overall dimensions – 800 x 800 x 850 mm

Productivity – 400 kg / h

Equipment power – 1,1 kW

Connection to power supply – 380/220 V

The equipment can be designed according to individual parameters necessary for the customer.

Roller conveyor for peeling



Peeling roller conveyor is used at the beginning of onion and garlic processing line. With this equipment raw materials can be easily cleaned with the help of rotating rollers without damaging the product. Roller conveyor is covered with casing equipped with flat brushes, with the help of which the cleaning process takes place.

Technical characteristics:

Overall dimensions – 2 000 x 1 000 mm

Board side height – 100 mm

Brushes diameters – 40 mm

Number of brushes – 100 mm

Motor reducer – 1,5 kW

Conveyor for blowing off the product (partial drying)



Conveyor with a blowing system is designed for partial drying of the product after washing and its further transportation along the technological line. Raw material is transported on a perforated conveyor belt, under which there is a portable water drainage tray. The equipment is made of food grade stainless steel. For convenience and compliance with ergonomic standards a lighting system of the product sorting area is provided. Conveyor is equipped with rotating wheels and foot control pedal.

Technical characteristics:

Overall dimensions – 5 000 x 800 x 800 mm

Blowing fans – 2 units

Motor reducer – 1,1 kW

Bubble washer

The bubble washer is designed for industrial cleaning of various agricultural products: vegetables (zucchini, onions, aubergines, cabbage, etc.), herbs, and fruits (pears, apples, nectarines, plums, strawberries, etc.). The raw products are continually supplied to a bath filled with water. There, it is initially washed by bubbling (cold «boiling» of water) due to the pumping of air. The washing process separates waste and contaminants that got on the product. The air flow can be adjusted. The final washing is carried out on the conveyor belt, where the raw product is washed with water under pressure, the water supply is regulated. From the conveyor, the cleaned raw materials are transported further to the line. The equipment is made of food-grade stainless steel and has a high capacity despite its small size.

Technical characteristics:

Capacity – up to 5 tonnes per hour

Water volume – 2 m³

Gear motor – 0,75 kW

The belt is modular

Power supply – 380/220 V

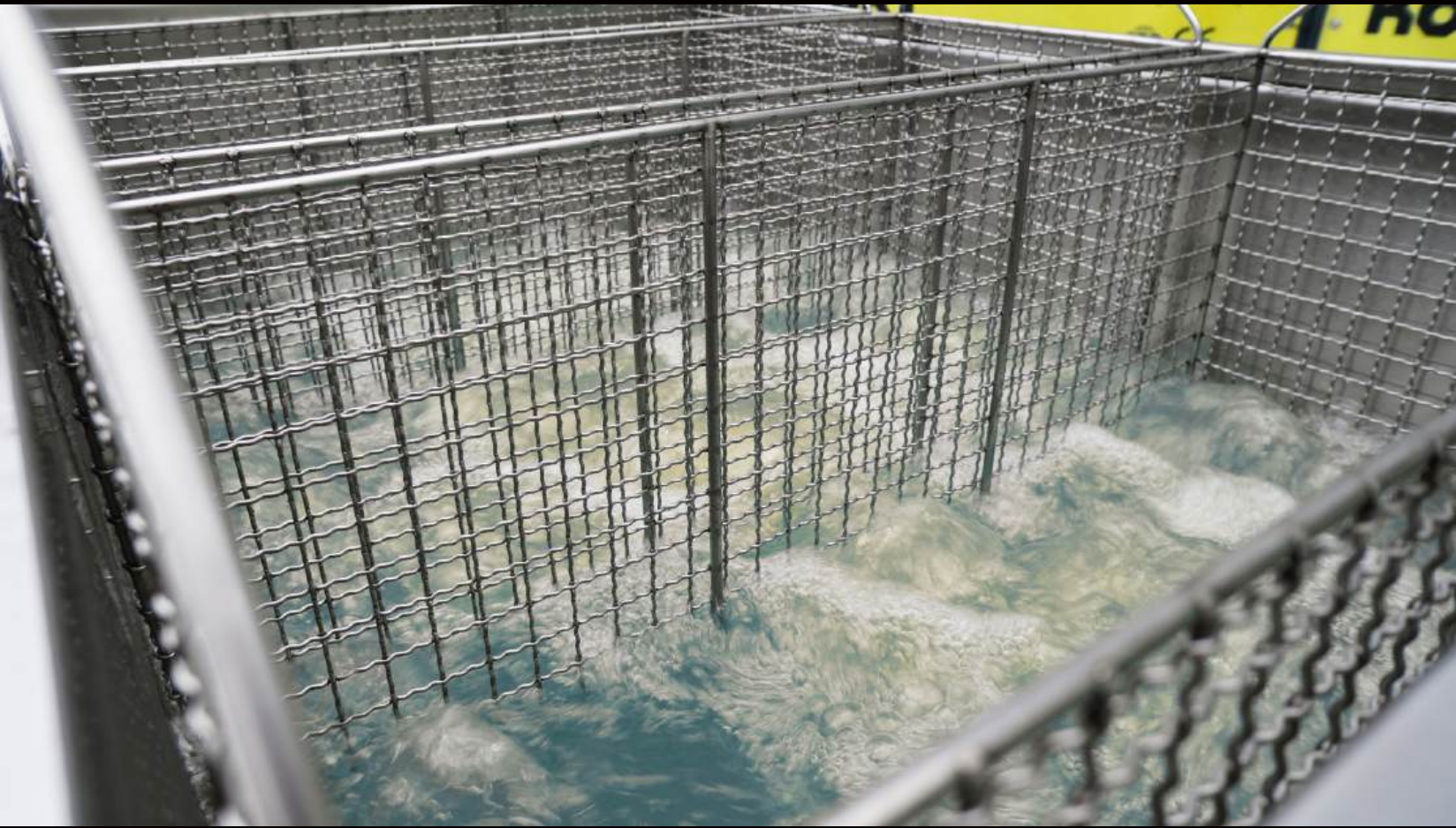
The equipment can be manufactured according to individual parameters required by the customer.



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06

Machines for processing root crops

Economic effect



productivity:
+30%



product quality:
+80%



safety:
+30%



expenses:
-25%

KONSORT

Machines for processing root crops

Potato processing line

The line consists of:

Belt conveyor for supplying to the calibrator

Calibrator for potatoes into 2 fractions

Machine for cutting potatoes into halves

Reversible belt conveyor for delivering to inspection tables.

Technical characteristics:

Belt type – PVC, manufactured by Chiorino, Italy

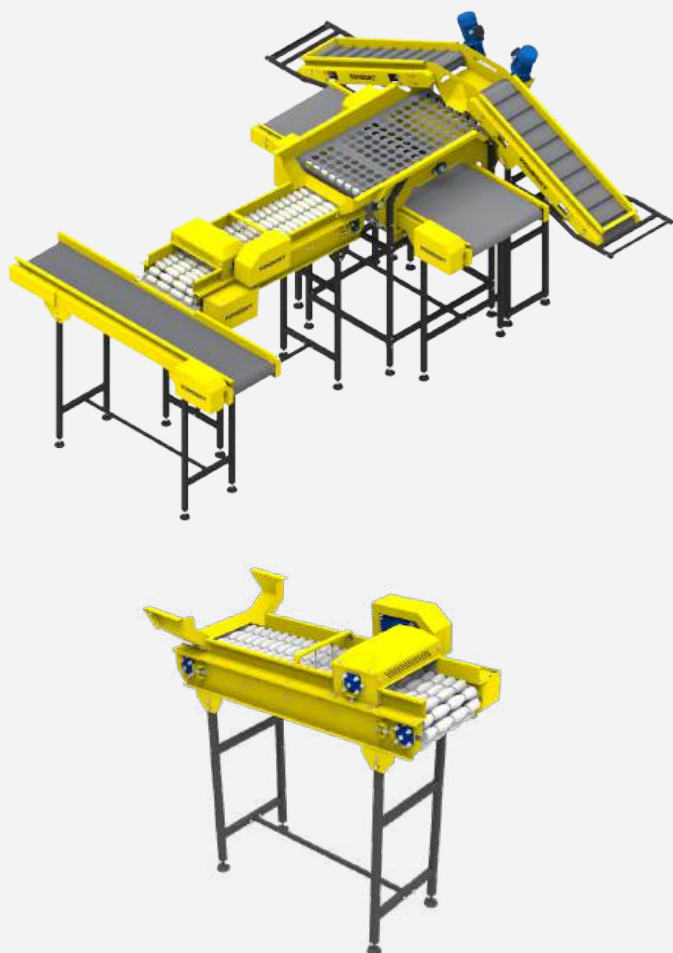
The drives with IP 55 protection level consist of a gear motor and a frequency converter

Control box with emergency stop system on the belt, start, stop and reverse button

Material of manufacture – stainless steel AISI 304

Power supply – 380 V

The equipment can be manufactured according to individual parameters required by the customer.



Garlic crushing equipment

Garlic crushing equipment is designed to crush garlic heads into cloves. Garlic heads are loaded into the conveyor hopper, then the product is evenly fed into the crushing machine. Division into cloves is carried out by two press conveyors, distance between which can be adjusted as well as the feed rate.

Technical characteristics:

Overall dimensions – 3 333 x 1 011 x 1 334 mm

Equipment power – 1,65 kW

Gearbox SMVU 050 performance – 500 kg/h

Belt width – 500 mm

Speed – 0,3 m/s

Maximum load 1m/p – 40 kg

The equipment can be manufactured according to individual parameters required by the customer.



07

Storage hoppers

Economic effect



productivity:
+30%



product quality:
+80%



safety:
+30%



expenses:
-25%

KONSORT

Storage hoppers

Vibrating hopper



Vibrating hopper is used for dosed feeding of berries onto the inspection table. The main advantage of such equipment is a perforated tray, which allows presorting the product and separating it from debris and dirt.

Technical characteristics:

Overall dimensions – 900 x 800 x 1 200 mm

Made of food grade stainless steel AISI304

The equipment can be designed according to individual parameters necessary for the customer.



Scan to view

Storage hopper



Hopper is designed to get vegetables and feed them evenly and continuously further along the technological cycle. Also, the receiving hopper is installed in front of dry cleaning equipment, washing equipment, roller and inspection conveyor (sorting table). The equipment can be used together with a container tipper for manual loading, for semitrailer and dump truck.

Technical characteristics:

Overall dimensions – 3 000 x 3 000 x 3 000 mm

It is possible to complete with a slide damper

The equipment can be designed according to individual parameters necessary for the customer.

08

Weighing equipment

Economic effect



productivity:
+30%



product quality:
+10%



safety:
+85%



expenses:
-15%

KONSORT

Weighing equipment

Belt conveyor for dynamic weighing



Dynamic conveyor scales weigh products directly on the production line. Based on the results of weighing products are either rejected or sorted into categories in accordance with a given program. Dynamic scales allow you to increase warehouse throughput, and show big measurement accuracy, that can significantly reduce losses. Cargo overall dimensions are determined with the help of 3D camera that allows you to measure length, width, and height. This information is shown on the monitor, which comes with the dynamic scales. The actual load weight is measured on the weighing section. Weights results are transferred to Excel or other customer's CRM programs. Cargo weight and overall dimensions measurement are carried out during of its movement.

Technical characteristics:

Total length – 3 200 mm

Measuring section length – 1 100 mm

Feed and discharge sections length – 900 mm

Working width – 800 mm

Overall width – 1 160 mm

Height – 700 mm

The equipment can be designed according to individual parameters necessary for the customer.

Conveyor with static weighing scales



The conveyor is designed for weighing of cartons, bags, boxes and other items that move along the conveyor. The conveyor scales are easy to operate and maintain. There is a possibility to make roller conveyor scales. Roller conveyor scales platform is equipped with gravity or driven rollers of required size and carrying capacity. The driven roller conveyors are adjusted to the required speed of load movement and are integrated into various conveyor lines.

Technical characteristics:

Frame width – 100 - 1 400 mm

Length – 500 - 5 000 mm

Belt movement speed – 0,05 - 1 m/s (adjustable)

Equipment rated power – 0,25 - 7 kW

Rated voltage of line – 220 - 380 V

Frequency – 50 Hz

The equipment can be designed according to individual parameters necessary for the customer.

Pallet scales (electronic)



Pallet scale (scales for weighing pallets) MASSA-K is made of structural steel 4D-U-1-1000-AB. Scales are designed for weighing cargo transported on pallets. Scales consist of a weighing module and a terminal. The U-shaped loading and receiving platform is made of structural steel. The terminal body is made of stainless steel. There are modes of percentage weighing, weight control (comparator) and moving loads weighing. Information exchange with external devices is implemented via the RS-232 interface. A wall mount for the terminal is included in the delivery set. A portable stand for ST4D terminal attaching can be purchased separately.

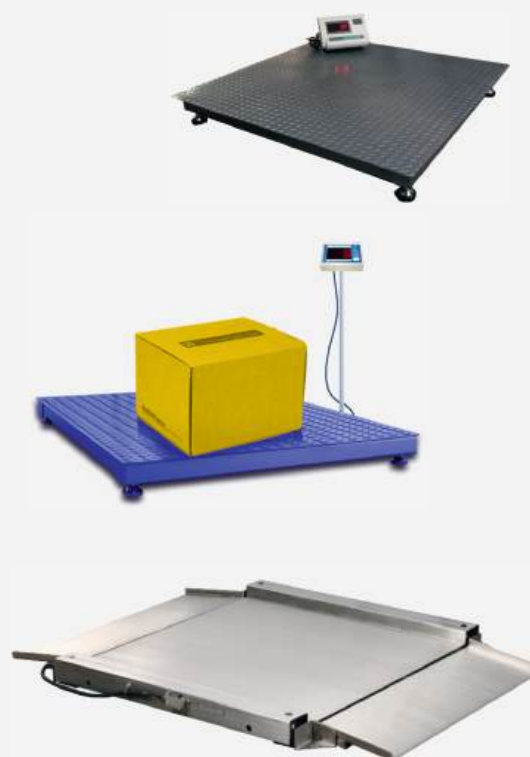
Technical characteristics:

Platform size – 1 200 x 840 mm

Indication discreteness – $d = 200$ g

Weighing limit – 2 000 kg

Platform scales



Platform scales are widely used in production trade, at meat factories, scrap metal collection points, for weighing pallets, big bags, trolleys, various technological operations, etc. They are most convenient for stationary use. This model is suitable for use in refrigerators and freezers. The scales have a battery charge indicator, which allows you to control scales autonomous operation. These scales are characterized by high platform strength and a safety margin against overload (up to 200%) due to their unique design, as they are made on 4 sensors from the world's leading manufacturer. For more convenient operation scales can be floor mounted.

Technical characteristics:

Maximum weighing limit – 2 000 kg

Minimum weighing limit – 20 kg

Graduation – 1 kg

Platform size – 1 500 x 2 000 mm

Bright LED display

Built-in battery – 80 -100 hours

Working temperature interval – from -20 to +45 °C

Automatic economical mode

Summation of weights

Weight retention

By additional order the scales can be equipped with ramps

The equipment can be designed according to individual parameters necessary for the customer.

Scaled hand pallet truck

Hand pallet truck is equipment that provides convenient, reliable and easy equipped with hydraulic lifting pump, move with the help of wheels, and are transportation. Scaled pallet truck is used when it is necessary to weight various warehouse cargoes such as pallets, boxes, and barrels. They are manually operated. This equipment is successfully used in warehouses, distribution centers, manufacturing industry, at stores for loading and unloading operations.

Technical characteristics:

Loading capacity – 1 000 - 2 000 kg

Measurement accuracy – 0,5 /1 kg

Sensors with protection degree – IP 67

Weighing unit with protection degree – IP 54

Wheel type – polyurethane

Fork length – 1 114 mm

Fork width – 560 mm

Overall dimensions – 1 154 x 560 mm

Lift height of forks upper edge – 200 mm

Equipment weight — 82 kg

The equipment can be designed according to individual parameters necessary for the customer.



09

Equipment for warehouses and retail

Economic effect



productivity:
+60%



product quality:
+10%



safety:
+85%



expenses:
-70%

KONSORT

Equipment for warehouses and retail

Electric stacker



We offer to your attention warehouse equipment from the leading Chinese manufacturer of lifting equipment the company ANHUI FORKLIFT TRUCK GROUP, HELI trademark. This company was founded in 1958 and today it is one of the most important state-owned enterprises. The company has the largest research and development center – China's only state-level technical center for forklifts and warehouse equipment. HELI supplies the best material handling equipment due to innovative technology, brand-new equipment, efficient management and a high level of personnel responsibility. As a state-owned enterprise, HELI has established a perfect quality control system, obtained ISO9001 certification and European Union safety standards certification. According to your request, we suggest you to consider the possibility of buying the CDD16-950 stacker.

Technical characteristics:

Loading capacity – 1 600 kg
Free stroke – 1 620 mm
Load center of gravity – 600 mm
Wheelbase – 1 375 mm
Number of wheels – 1 * +2/4
Overall height – 2 105 mm
Lift height – 4 200 mm
Movement speed (loaded / unloaded) – 4,5/4,5 km/h
Batteries (V / A-HOUR) – 24/280
Battery weight – 234 kg
Stacker weight – 1 612 kg

Hydraulic stacker



Hydraulic stacker is designed for economic manual handling and goods loading at vehicle loading areas and production sites. It features easy maintenance and low operating costs

Technical characteristics:

Loading capacity – 1 000 kg
Maximum lift height – 1 600 mm
Height of lowered forks – 90 mm
Forks length – 1 150 mm
Lifting speed (piston stroke) – 20 mm
Lowering speed – controlled
Width between the outer edges of the supporting legs – 690 mm
Working efforts on the handle – 24 kg
Minimum hydraulic tank loading volume – 1,5 l
Front wheel size – Ø 75 x 52 mm
Rear wheel size – Ø 180 x 50 mm
Stacker weight – 150 kg

All of the listed equipment can be designed according to individual parameters necessary for the customer.

Electric pallet truck



The KONSORT Enterprise Association offers an electric pallet truck from the leading Chinese manufacturer of forklift trucks, the company ANHUI FORKLIFT TRUCK GROUP, HELI trademark. This company was founded in 1958 and today it is one of the most important state-owned enterprises. The company has the largest research and development center – China's only state-level technical center for forklifts and warehouse equipment. For the past 20 years HELI has been supplying the best material handling equipment due to innovative technology, brand-new equipment, efficient management and a high level of personnel responsibility. HELI has established a perfect quality control system, obtained ISO9001 certification and European Union safety standards certification.

Technical characteristics:

Loading capacity – 1 500 kg
Load center of gravity – 600 mm
Wheelbase – 1 284 mm
Wheel material – PU
Number of wheels – 1* +2/4
Driving wheel size – Ø 250 mm
Size of cargo rollers – Ø 80 mm
Handle height – 635/1 200 mm
Total length/ length without forks – 1 651/501 mm
Forks size: thickness, width, length – 45 x 160 x 1 150 mm
Forks width at the outer edge – 550 mm
Forks height in lower position – 80 mm
Forks height in upper position – 205 mm
Turning radius – 1 452 mm
Movement speed (loaded / unloaded) – 4 - 4,5 km / h
Brake system type – el. magnetic
Battery weight/ pallet truck weight – 10 kg/145 kg

Belt winnower (for berries)



This truck is designed specifically for long operation life. It features a durable welded steel structure, high quality, and also resistant to mechanical damage coating. It is exceptionally strong yet lightweight steel construction. Pallet truck's own weight is only 65 kg.

Technical characteristics:

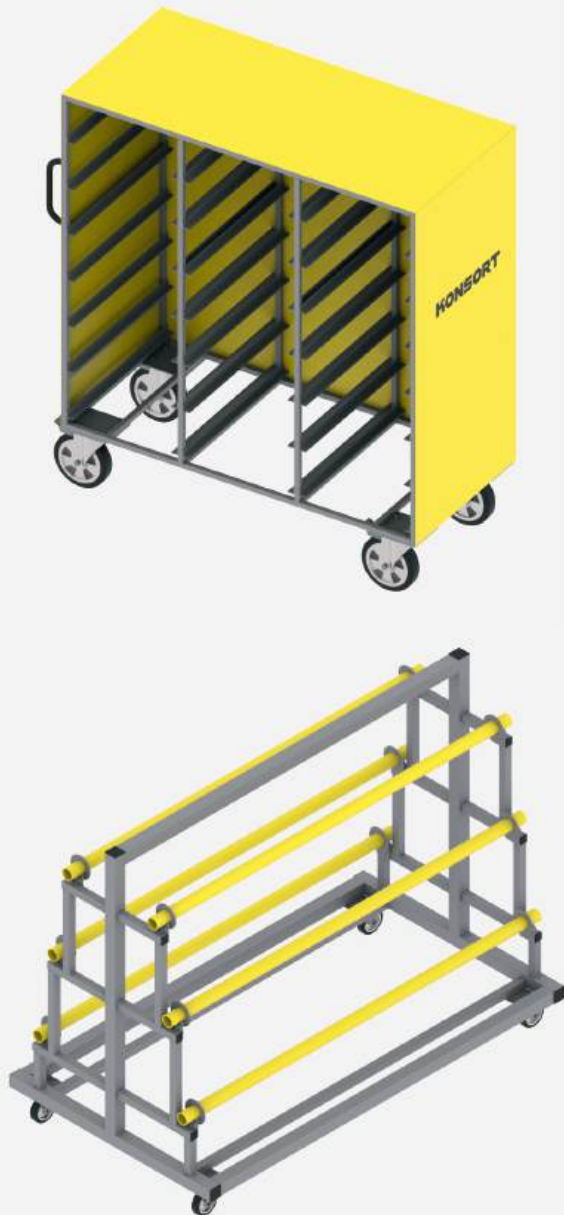
Model — NIULI-JC 2.0
Loading capacity – 200 kg
Minimum fork height – 75 mm
Maximum fork height – 185 mm
Lift height – 110 mm
Fork length – 1 150 mm
Fork width – 160 mm
Overall width between forks – 550 mm
Dual load wheel – Ø 70 x 60 mm
Steering wheels – Ø 160 x 50 mm
Pallet truck weight – 55 - 65 kg

The equipment can be designed according to individual parameters necessary for the customer



Scan to view

Mobile shelving



Mobile shelving is used at all types of warehouses, especially when there is a lack of storage space or when it is impossible to expand storage area. Mobile shelving consists of a mobile base where superstructure moves. The superstructure can use a variety of racks.

Technical characteristics:

Overall dimensions depend on technical tasks

Shelf load – 50 - 300 kg

Made of structural or stainless steel

The equipment can be designed according to individual parameters necessary for the customer.

Metal shelving (static)



Shelf racks are the most popular storage system, which is actively used for storing various goods on metal shelves. Shelf rack has become indispensable at warehouse and industrial premises.

Technical characteristics:

Shelf load – 50 - 300 kg

Made of structural or stainless steel

The equipment can be designed according to individual parameters necessary for the customer.

Platform trolley

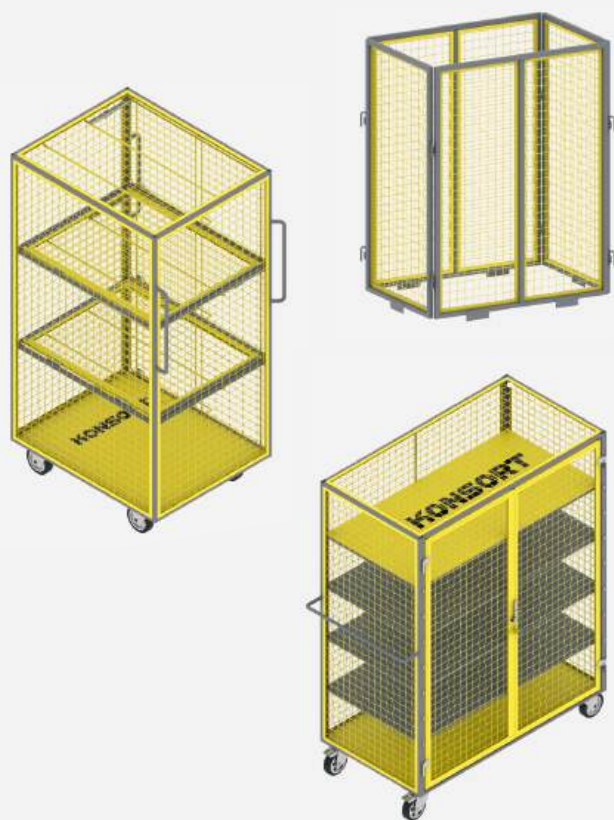


Platform trolleys are most often used as cargo carts at warehouses. Their popularity can be explained by their wide variety, which allows them to be used to transport any type of cargo of heavy and disproportionate shapes. Four-wheeled warehouse equipment is better suited for the transport of heavy and bulky goods. Due to their large flat platform, more goods can be placed on them.

Technical characteristics:

- Overall dimensions depend on modification
- Loading capacity – from 100 to 2 000 kg
- The equipment can be designed according to individual parameters necessary for the customer.

Container trolley

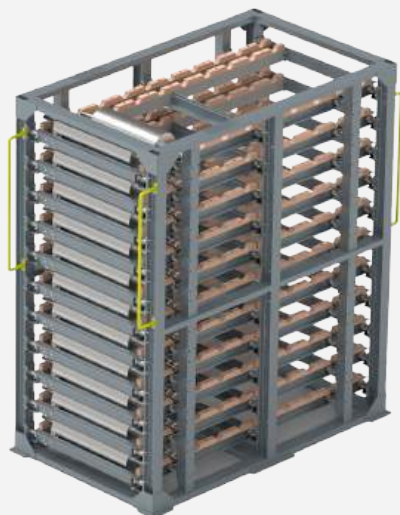


Container mesh trolley can be of various configurations, designed to move small-sized loads. The container is equipped with rotating wheels, which allow it to be moved with minimal effort. This equipment is designed to move products across production and storage facilities.

Technical characteristics:

- Overall dimensions depend on modification
- Loading capacity – 100 - 2 000 kg
- The equipment can be designed according to individual parameters necessary for the customer.

Racking module with cantilever shelves



This equipment is designed for storing heavy cylindrical cargo. The shelves are driven by a mechanism consisting of a rack and pinion that can be rotated manually or automatically. Even at maximum load, each shelf opens smoothly. Products can be easily picked up from the shelves with a forklift or crane.

Technical characteristics:

- Overall dimensions of the module – 2 800 x 1 800 x 3 500 mm
- The maximum load capacity – 16 500 kg
- The equipment can be manufactured according to individual parameters required by the customer.

Two-wheeled trolley



Two-wheeled hand trolleys are the most popular means of transporting light loads for short distances. This is the simplest model of moving goods equipment. It consists of a frame with two wheels and handles. Such warehouse trolleys are small and highly maneuverable. They fit into narrow doorways, can be used to move goods between racks, and are easy to move and rotate in small spaces. There are many different models of two-wheeled trolleys, each with its own characteristics and can be optimally used to handle certain types of goods.

Technical characteristics:

Overall dimensions depend on modification

Loading capacity – 50 - 500 kg

The equipment can be designed according to individual parameters necessary for the customer.

Container trolley

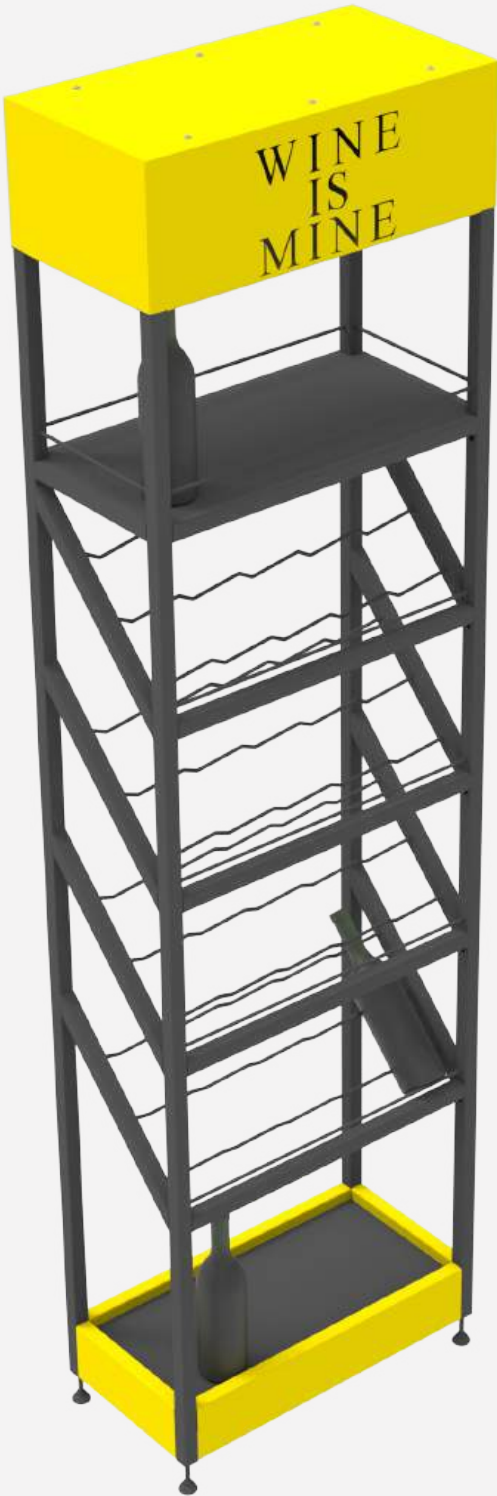


Electric forklift is designed for loading, unloading, and transporting various cargoes over short distances at commodity depots, warehouses, factory yards, railway stations, airports, river and sea ports. You can take advantage of powerful features of a high-performance loader to get your work done incredibly fast. From the very first second electric forklifts impress with their excellent balance of power, ergonomics, controllability and energy consumption. Check availability and price from a consultant.

Equipment for retail

Our company manufactures and supplies retail equipment to order: wine racks, product boxes, garbage containers, service units, rotary stands, and containers for storing products.

All equipment can be manufactured to individual customer specifications.





10

Landscape improvement elements

Economic effect



social responsibility:
+80%



safety and comfort:
+80%

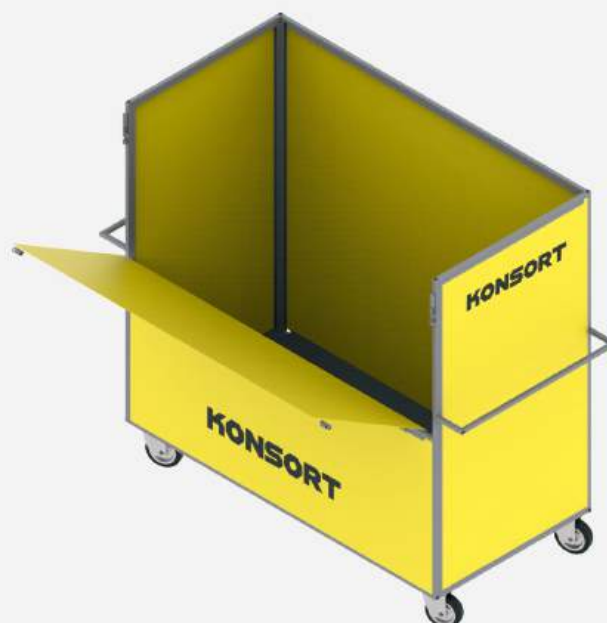
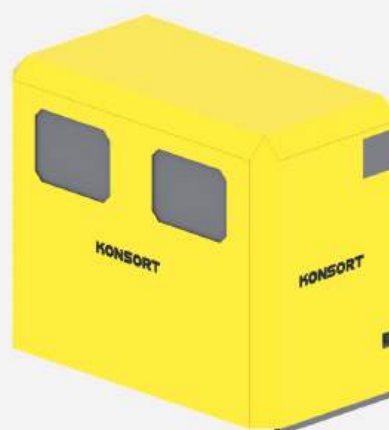
KONSORT

Signboards, steles, letters, bins for waste separation and decor

Waste container (tank, waste bin)

Containers, waste bins, and waste sorting bins. Our company produces waste sorting bins, metal bins, and containers. At the customer's request we manufacture plastic equipment. The recycling system offers a flexible solution for waste origin separation. Plastic containers are suitable for sorting waste in offices, schools, hospitals, and households. Since the container is made of plastic, resistant to UV radiation, it can be installed outdoors (terrace, gardens, gazebo, or garden).

The equipment can be designed according to individual parameters necessary for the customer.



Playgrounds

KONSORT'S playgrounds provide fun activities for children and their parents. Our playgrounds are made in accordance with all quality and safety standards. They are interesting, bright and multifunctional; they are a dream for children where they can actively spend their time and develop their skills. We implement any ideas and make them even better with a lot of advantages. Our playgrounds are suitable for children of all ages. They can be equipped with swings, slides, sports rings, multilevel steps and sandpits. For the safety of children, we make a special fence that does not allow children to leave playgrounds without adults' help. Our equipment is a modern, creative and aesthetic solution for your children's leisure.

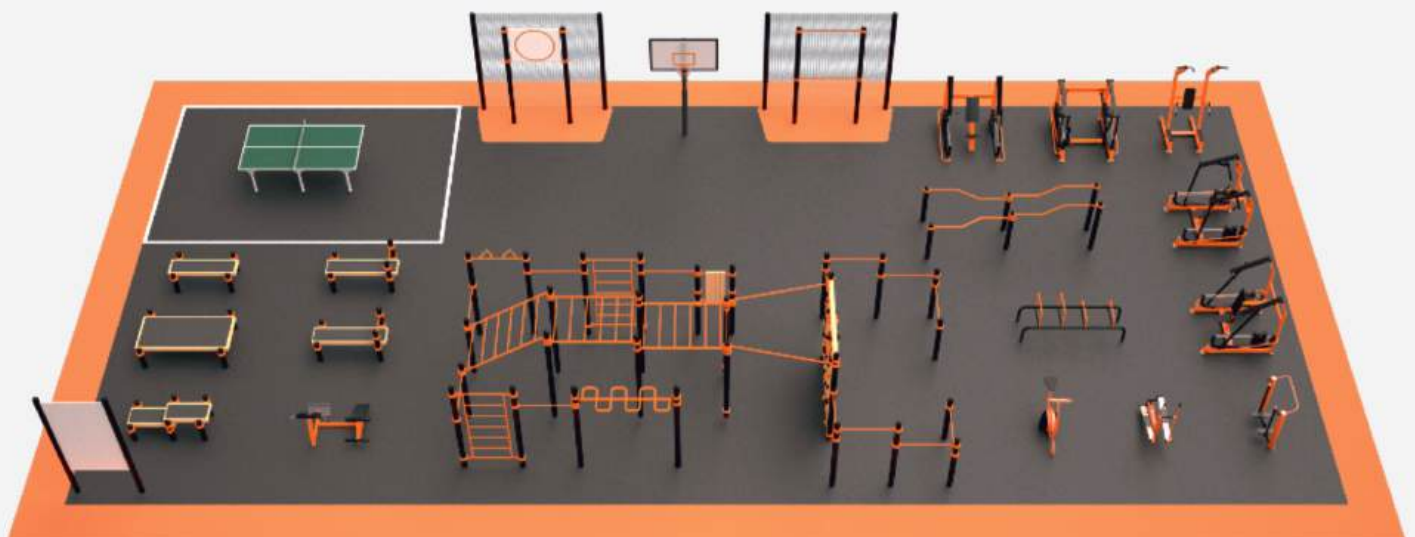
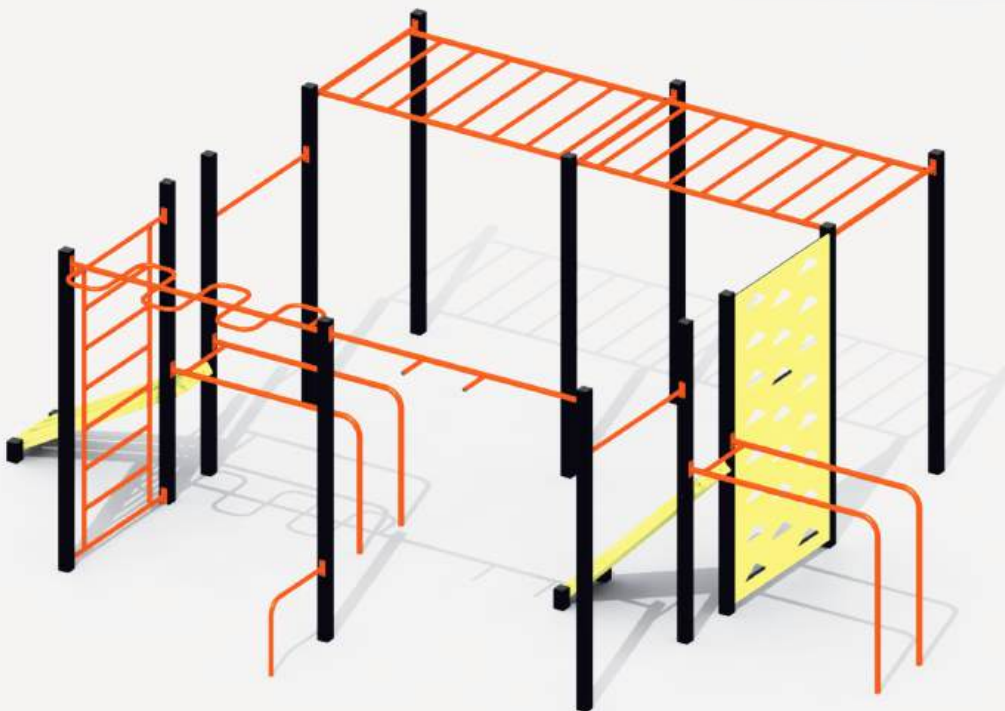
The equipment can be designed according to individual parameters necessary for the customer.



Sports grounds

Modern sports grounds manufactured by the KONSORT company are presented in a form of separate territory that is equipped with special structures, gymnastic corners, horizontal bars and sport rings. KONSORT'S sports grounds are a simple and creative solution to combine sports and rest at home, at work, in a part, etc.

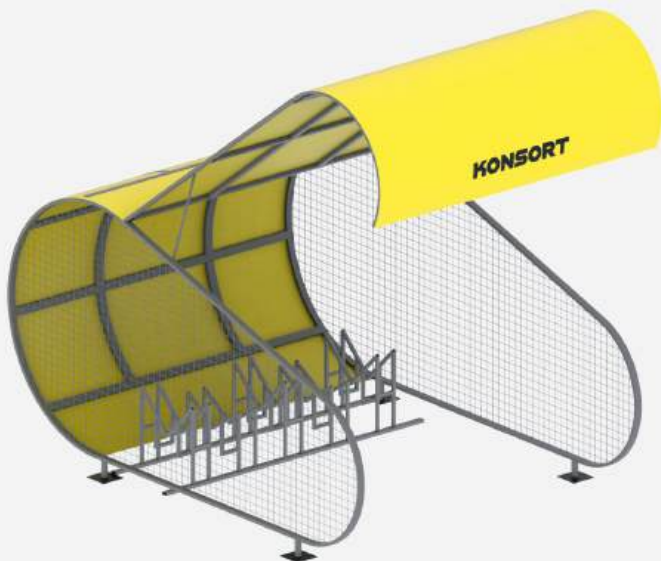
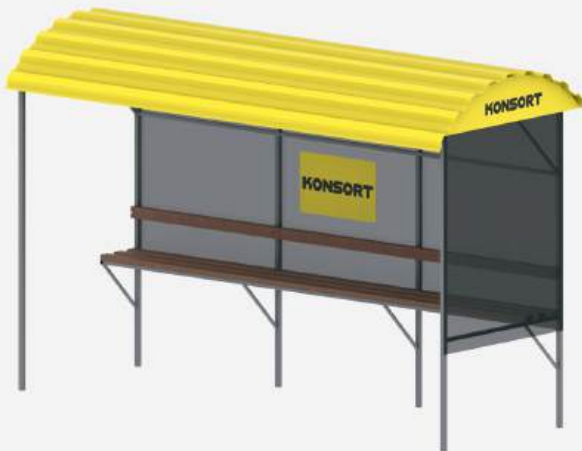
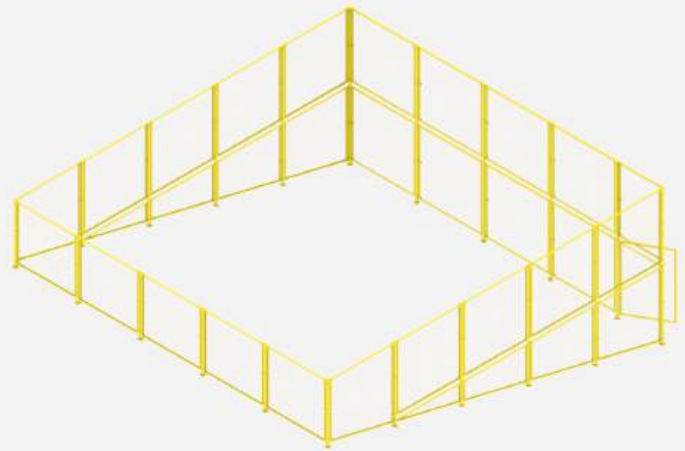
The equipment can be designed according to individual parameters necessary for the customer.



Stops, benches, parking lots and stations

Our company will be happy to manufacture bus stops, park benches, or bicycle parking for your locality. Metal structures are made of durable and high-quality metal in accordance with all safety standards. The stops have a built-in bench and are very functional and easy to install and maintain.

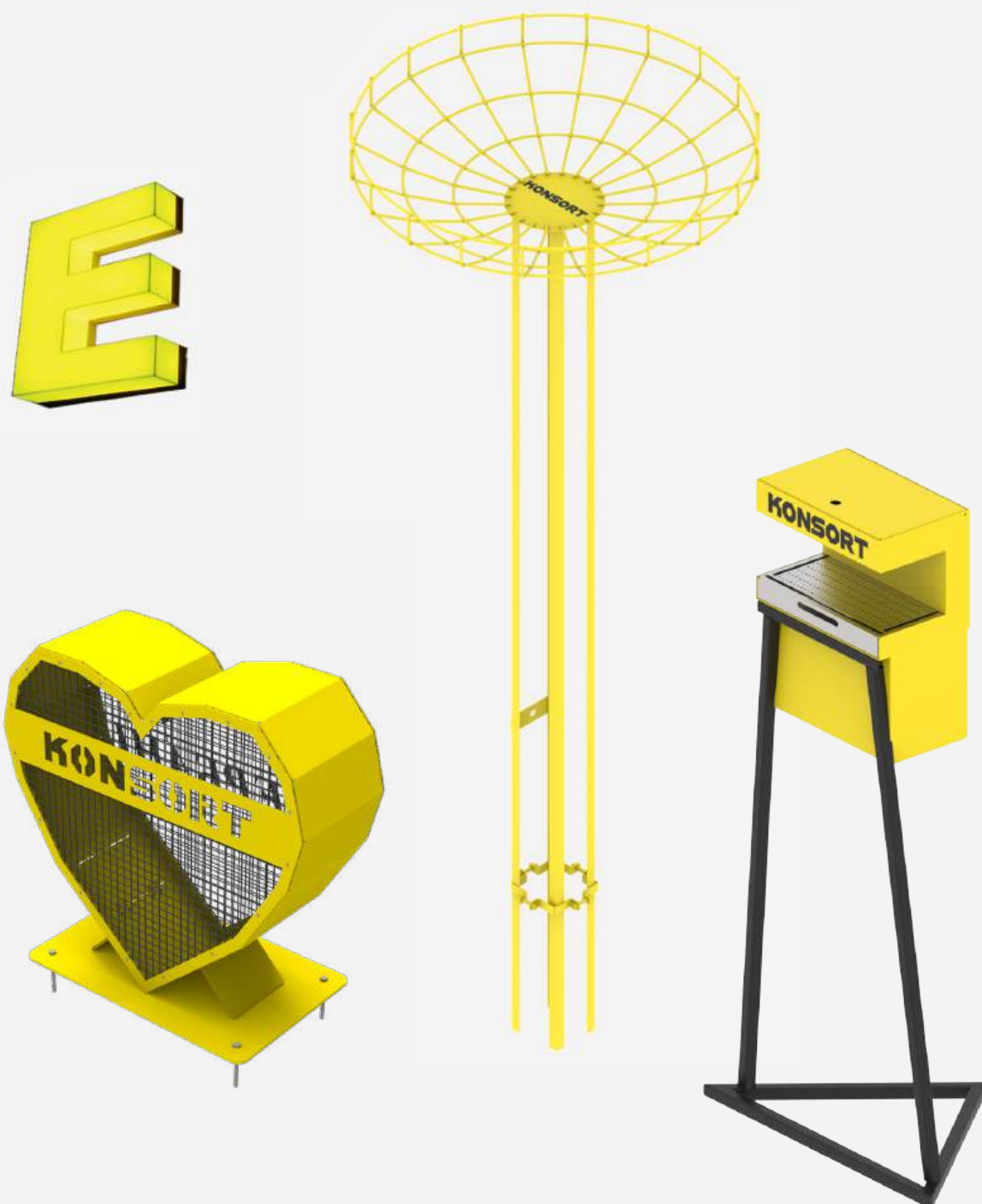
The equipment can be designed according to individual parameters necessary for the customer.



Signboards, steles, letters, and decor

On your request our company can manufacture any elements of local improvement for you community, organization, and yard.

The equipment can be designed according to individual parameters necessary for the customer.



Stage of our interaction:

Request

We specify all the questions and problems that you would like to have been solved. The design department makes calculation of the project (if necessary, our representatives go to the customer's enterprise for measurements). We provide a commercial offer.



Documentation

We prepare a contract and a product specification, which describe in detail the equipment characteristics and provide a detailed diagram (3D model) with dimensions.



Approval

We make sure that you have clarified all the details and approved the project 3D-model. After an advance payment has been made, the order manufacturing process starts.



Control

You will be aware of each production stage, as a personal project manager will send you photos and video materials of the current production situation. You can also come to the plant at any time to situation. You can also come to the plant at any time to actually see the process. The Quality Control Department carries out independent control to prove the products conformity to the agreed requirements and guarantee you this compliance.



Installation

After manufacturing we ship you order, and our specialists install the equipment at the destination place, carry out configuration, testing and instruction. And only after that you make the final payment.



Service

Maintenance, configuration, training and consulting, equipment repair 24/7. We have 20 our own service sites throughout Ukraine, so you can be sure of your production continuity.

Reviews

01 ★ ★ ★ ★ ★

Nova Poshta (leader of express delivery, logistics)

Due to the joint coordinated work, courage and competence of KONSORT™ company and Nova Poshta employees we managed to build innovative terminals in many Ukraine cities and to achieve remarkable results:

1. Terminals workers number reduction by 3 times.
2. Personnel moving around terminals was reduced and safety indicators were increased by 40%.
3. Productivity increase by 2 times.
4. By using mezzanine terminals work area was innovated.
5. By using automatic scanners and sensors human error factory was eliminated.
6. Human labour facilitation and automation.
7. Shortening the time that the parcel is at the terminal by 2 times.

We thank our partners for their coordinated work and move further towards improving business processes efficiency.

- O.S.Tarasenko (Chief Operating Officer of Nova Poshta)



02 ★ ★ ★ ★ ★

Roshen – Private joint stock company «Vinnytsia confection factory» (PJSC «VCF»)

We have ordered equipment from KONSORT™ company several times (conveyor system, box transport line and straight conveyor). Everything was done on time and in accordance with terms of reference.

We are satisfied with our partnership and the efficiency of the equipment. We will continue to cooperate.

- A.F. Solomiani (Chief mechanic of Vinnytsia confectionery factory «Roshen»)



03 ★ ★ ★ ★ ★

Obolon Joint Stock Company (producer of beer, beverages and mineral water)

We thank the company for supplying two conveyors that helped us improve bags with malt transporting process at the plant. Our cooperation can be described as follows – quickly, efficiently and easy.

- P.P. Biliak (Director of the Engineering Center)



04 ★ ★ ★ ★ ★

«Danone Ukraine» (producer of dairy products, bottle water, baby food and dietary supplements)

We see our cooperation with KONSORT™ company as successful because the ordered equipment has solved the necessary tasks and met our expectations. We ordered a round section belt conveyor for marking round cheese in packing. We thank you and wish you success.

- Oleksandr Baiev (Technical manager of Danone Company)



05 ★ ★ ★ ★ ★

Private joint stock company «Progress» (producer of furniture, Jysk partner)

For almost three years we have been ordering trolleys of various modifications from your company to improve our production process organization. We are very satisfied with the results.

- P.V. Felenko (Technical director of PJSC «Progress»)



06 ★ ★ ★ ★ ★

Oriy LLC (production of mineral and organo-mineral complex fertilisers)

We would like to express our sincere gratitude to the management and staff of KONSORT Association for long-term and productive cooperation, innovative solutions and efficiency in solving the tasks. The equipment, namely the chute conveyors, was manufactured and installed on time and at the highest level, which helped our company to increase productivity, reduce costs and significantly increase the number of customers.

- Oleksandr Kolisnichenko, the Director of Oriy LLC

07 ★ ★ ★ ★ ★

Andreas Stihl Ltd

We are very pleased to have KONSORT among our partners. We would like to highlight the collaboration in the manufacturing of lifting and transporting conveyors, and transport trolleys. We will be glad to see you as a regular partner in the future.

- Staff of Andreas Stihl Ltd



08 ★ ★ ★ ★ ★

LLC «FRUKTONA-VN» (growing, harvesting and processing of berries, fruit, vegetables, etc)

FRUKTONA company management thanks KONSORT™ company management for cooperation in berries processing equipment production. In the process the company's specialists confirmed their high professional status and efficiency in solving problems. All our wishes concerning the equipment were successfully taken into account and obligation undertaken by the company under the contracts were fulfilled on time and fully. All guaranteed are observed.

- K.E. Kuzmenko (Director of the company «FRUKTONA-VN»).





2025-2026

manufacture automation
equipment

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