



Sorter

 **STALKO**

READY-MADE LINES AND SETS OF EQUIPMEN





COMPREHENSIVE SOLUTIONS

SORTER's leading business profile is the production and sale of advanced technological solutions, including innovative solutions on many levels, from sorting and product packaging to palletisation and robotics.

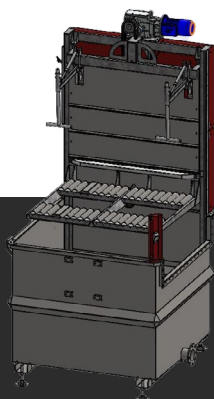
STALKO - a group of closely cooperating companies focusing on the production and delivery to its customers of modern products for the metal and food industries, for the automation of production processes and for central heating equipment. The diversity of the products on offer makes it possible to successfully diversify production and to deliver modern solutions to its customers, while developing the chosen directions of each company. The many years of experience of the staff, the production capabilities as well as the machinery and equipment owned by the company make it possible to successfully compete with the leading manufacturers of the respective industries on the Polish and European markets.

We have been on the market for 45 years

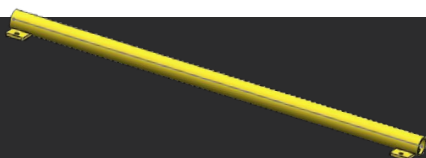
A perfect solution that is suitable for sorting all fruit and vegetables does not exist. That is why we design and adapt our machines and production lines to optimise the production of a specific fruit or vegetable. In our portfolio, you will find solutions for sorting and packaging small to medium-sized products. Choose your product and see what solution we have for it.

01. BOWL SORTING LINE

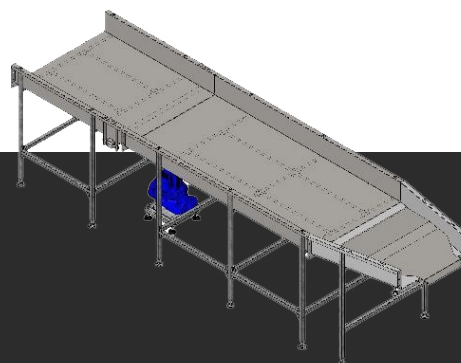
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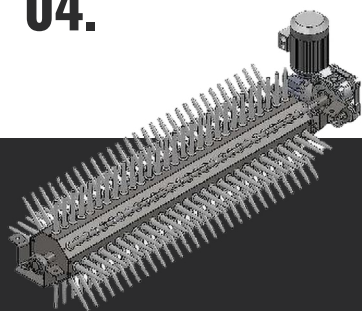
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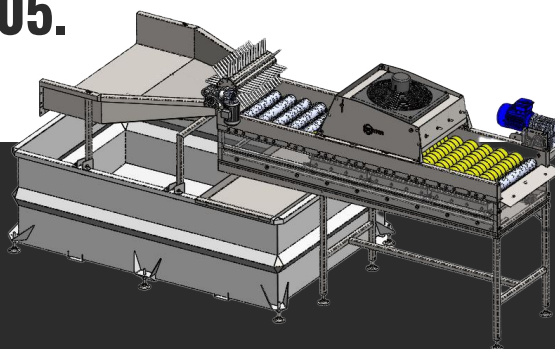
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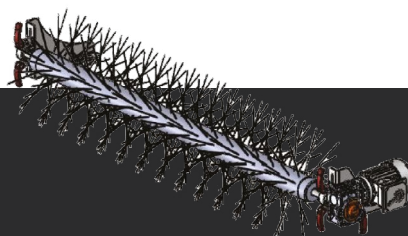
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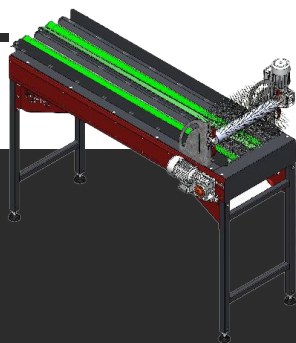
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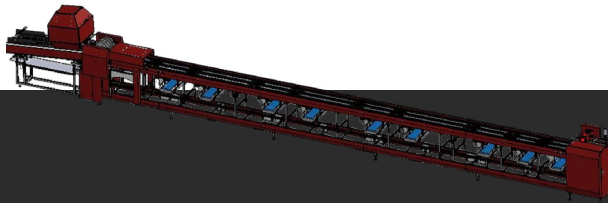
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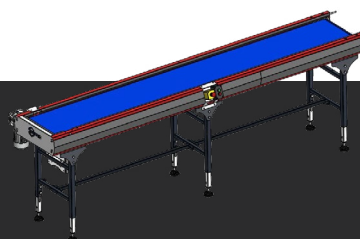
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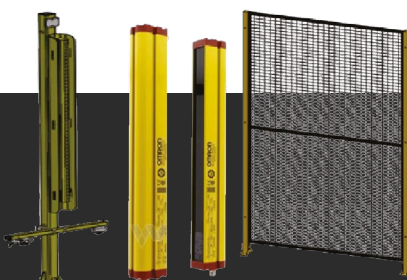
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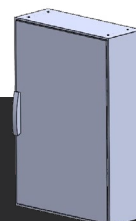
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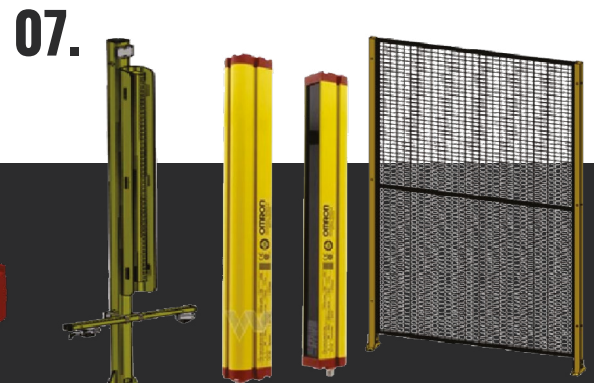
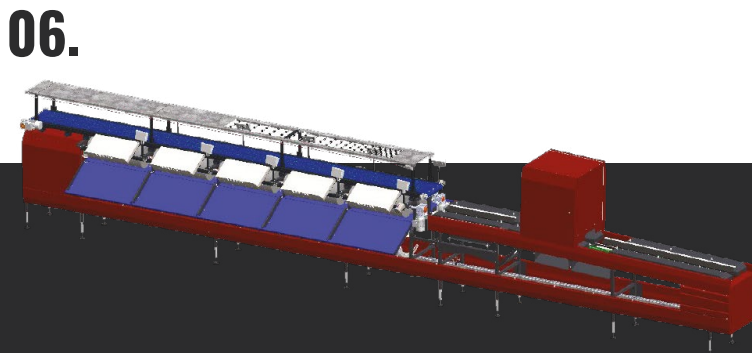
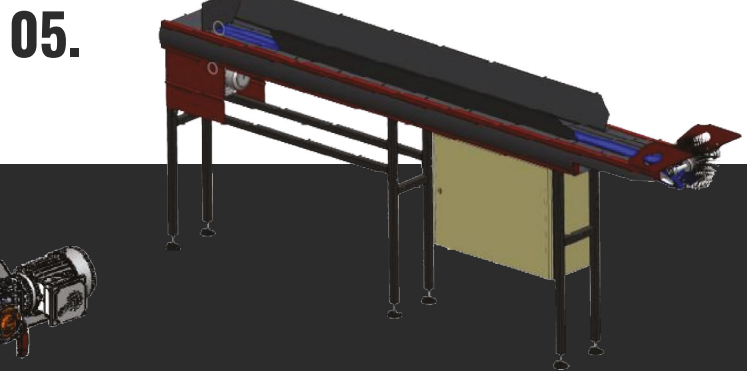
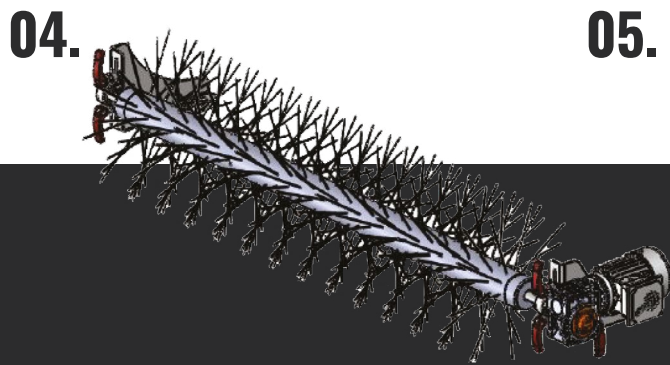
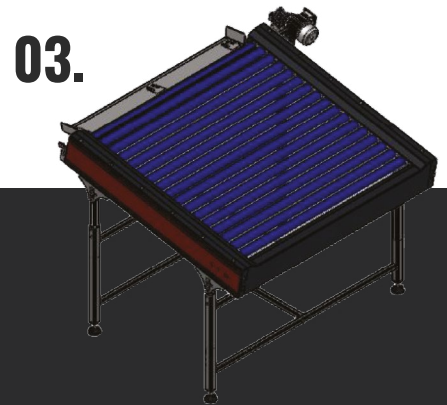
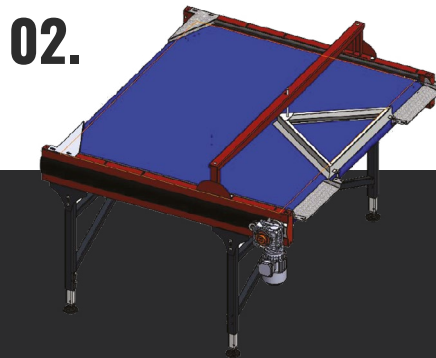
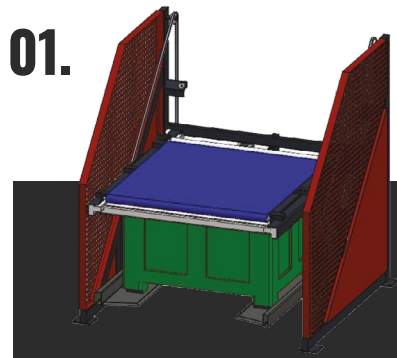
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01. BOWL SORTING LINE

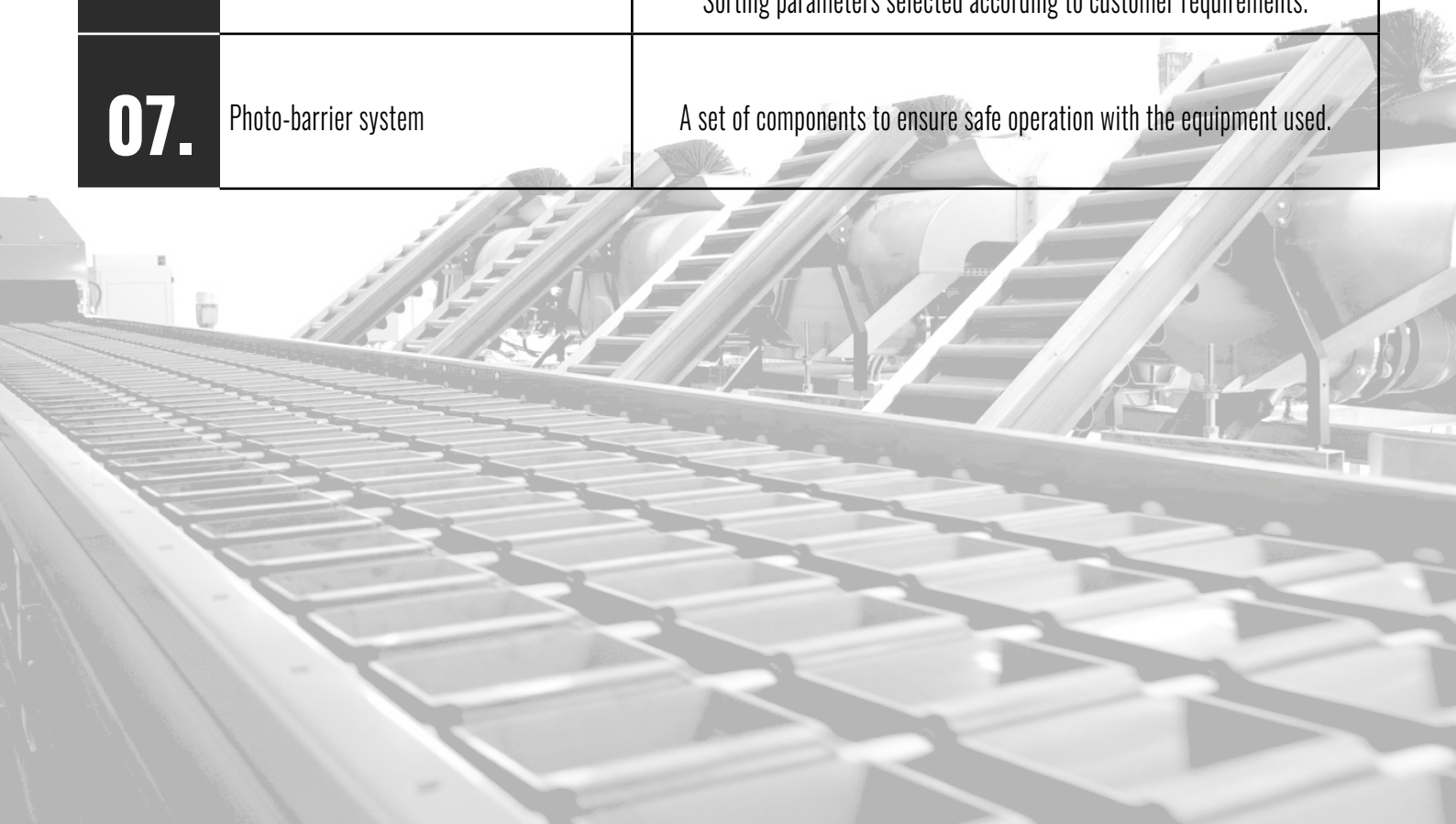
01.	Straight immersion discharge RZP	The device is used to unload fruit into the unloading tank. The box-pallet is pressed down and immersed in water, where it is unloaded. Water unloading is characterised by a very gentle unloading.
02.	Forklift truck ramp NWW	Forklift overrun lock.
03.	ZKW waterway complex	It is used to transport fruit . It consists of stainless steel channels, support structure, pipe and valve system and circulation pump.
04.	Finger food splitter PRO	The finger distributor is used to regulate the amount of fruit fed to the following units
05.	Overflow fruit dryer with fan SOP-W	The purpose of the device is to transfer the fruit from the water channel and dry it. The dryer uses a set of sponges with a blow-off fan installed.
06.	ZSN driven transfer brush unit	The brush is used to gently transfer the fruit onto a V-type conveyor.
07.	Conveyor belt V-2	The conveyor aligns the fruit in front of the sorting machine. Its additional action is to reduce the distance between the fruit.
08.	Bowl sorting machine, paths: 2, number of outputs: 8+1 2MS9	The machine sorts spherical and oblong fruit and vegetables. Thanks to the use of a vision system, it is possible to sort according to parameters: weight, size, colour, external damage, internal damage. Sorting parameters are selected according to customer requirements.
09.	Fruit packing table SPP-A-3	The table consists of a 400 mm wide and 3 m long conveyor belt onto which the fruit is fed from the sorting machine. An additional option is the use of scales to measure the packed products.
10.	Blank top for table SPP-A-3	The table top is used as a tray for empty cartons collected by workers packing products. The picture shows a tabletop in combination with two SPP-A-3 tables.
11.	Photo-barrier system	A set of components to ensure safe operation with the equipment used.
12.	Main cabinet	
13.	Control cabinet	

02. RDS SORTING LINE



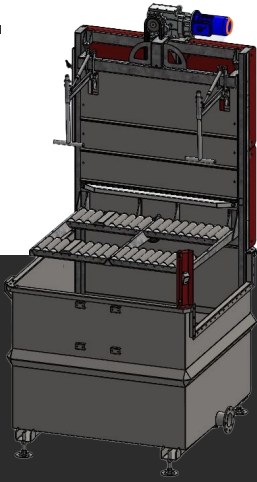
02. RDS SORTING LINE

01.	Electric box pallet tippler SWP-A-03	The tippler automatically unloads the box-pallets. There is a top discharge for this unit.
02.	Belt conveyor PTR	The conveyor serves to evenly distribute the product and can also be a place for manual unloading of the fruit. In addition, the conveyor is equipped with a handlebar that divides the fruit into two streams.
03.	PRU-P inspection flat tube conveyor	The conveyor's job is to separate the fruit and place it at equal distances and inspect it.
04.	ZSN driven transfer brush unit	The brush is used to gently transfer the fruit onto a V-type conveyor.
05.	Conveyor belt V-1	The conveyor aligns the fruit in front of the sorting machine, with the additional effect of reducing the distance between the fruit.
06.	RDS sorting machine with tops, paths:1, number of outputs: 9+1 1RDS10	The machine sorts spherical fruit. Thanks to the use of a vision system, it is possible to sort according to parameters: weight, size, colour, external damage, internal damage. Sorting parameters selected according to customer requirements.
07.	Photo-barrier system	A set of components to ensure safe operation with the equipment used.

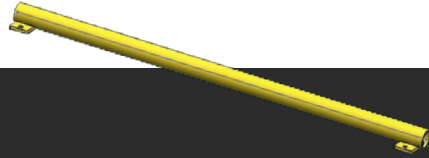


03. SORTING LINE MONO WATER DISCHARGE

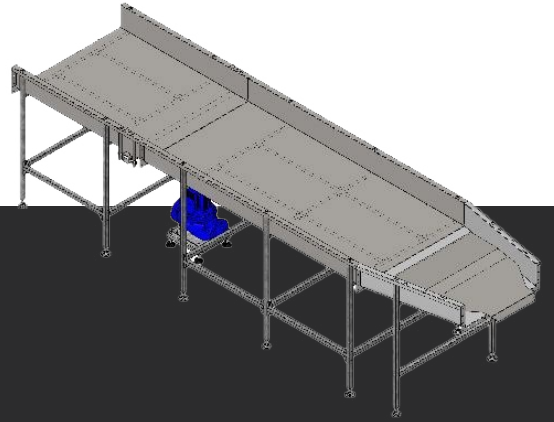
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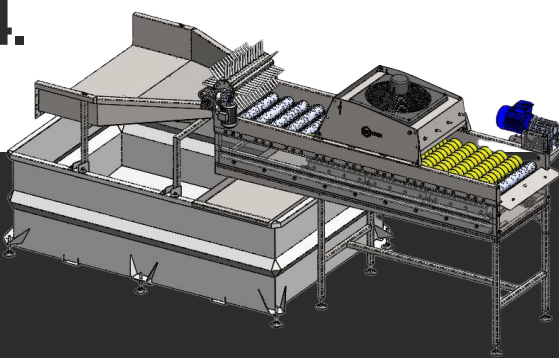
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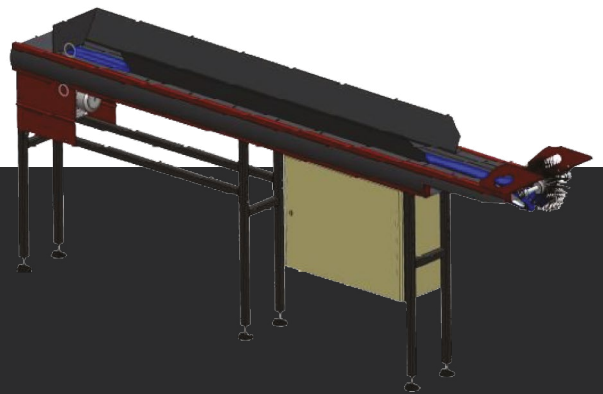
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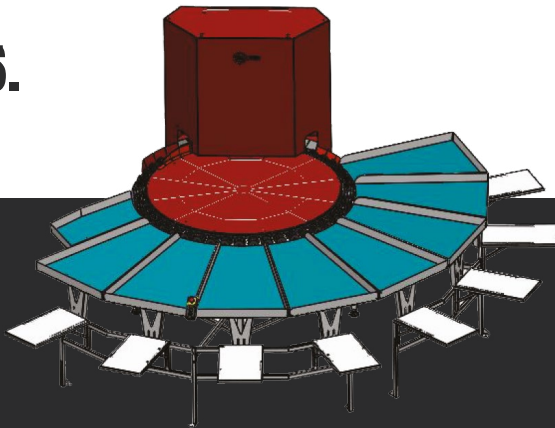
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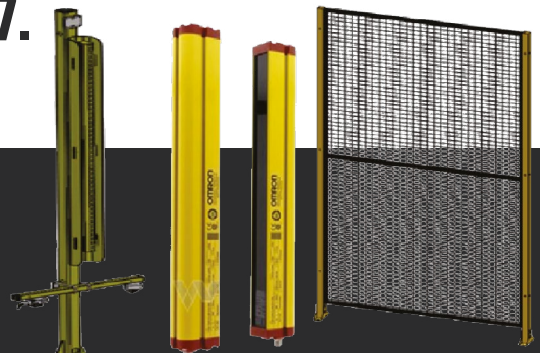
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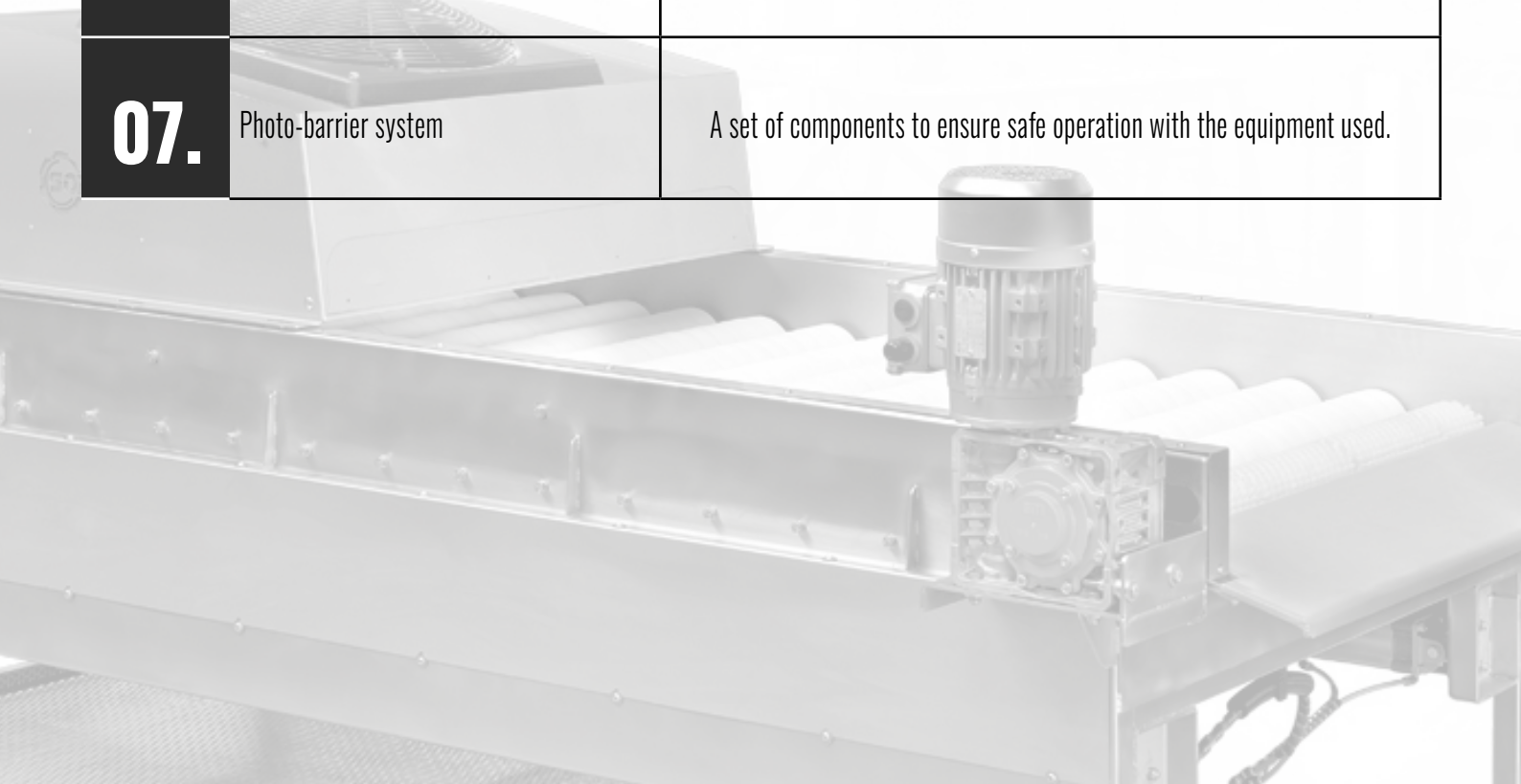


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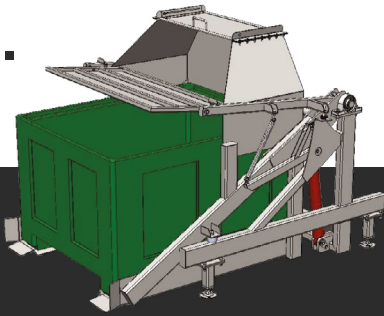
03. SORTING LINE MONO WATER DISCHARGE

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02.	Forklift truck ramp NWW	Forklift overrun lock.
03.	ZKW waterway complex	It is used to transport fruit . It consists of stainless steel channels, support structure, pipe and valve system and circulation pump.
04.	Overflow fruit dryer with fan SOP-W	The purpose of the device is to transfer the fruit from the water channel and dry it. The dryer uses a set of sponges with a blow-off fan installed.
05.	Conveyor belt V-1	The conveyor aligns the fruit in front of the sorting machine. Its additional action is to reduce the distance between the fruit.
06.	Mono sorting machine, paths: 1, number of outputs : 8+1	The Mono sorting machine is a compact proposition for customers who need professional equipment and want the line to occupy a small space. Thanks to the use of a vision system, it is possible to sort according to parameters: size and colour. Sorting parameters selected according to customer needs
07.	Photo-barrier system	A set of components to ensure safe operation with the equipment used.

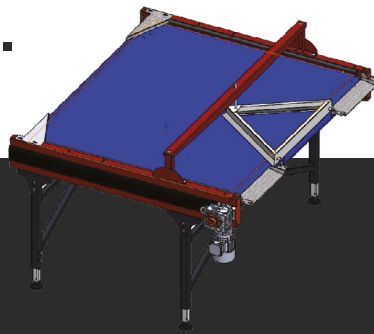


04. MONO SORTING LINE BOTTOM DISCHARGE

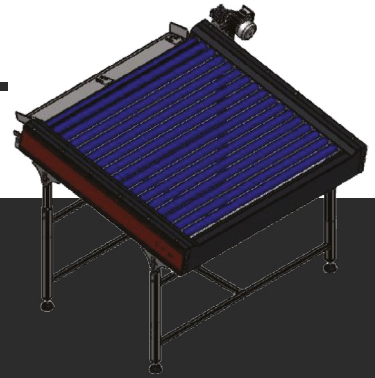
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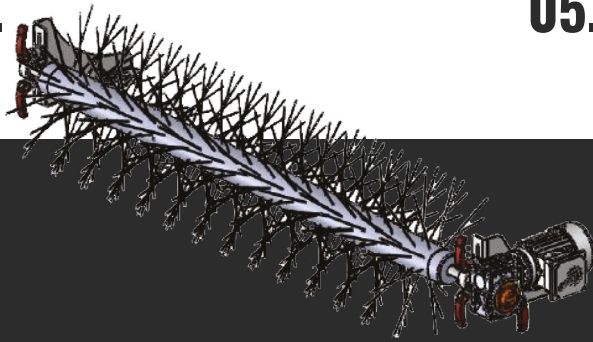
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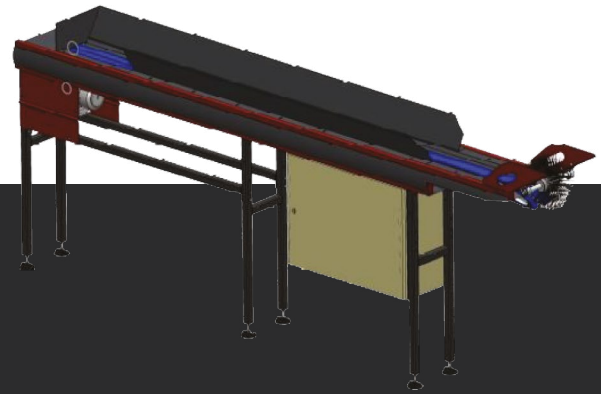
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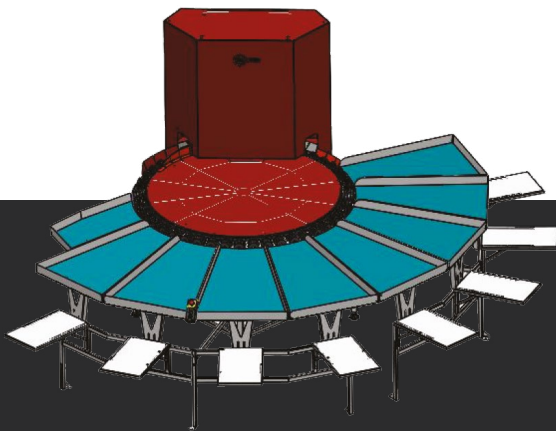
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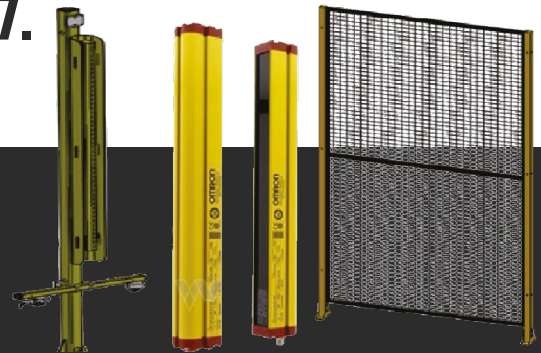
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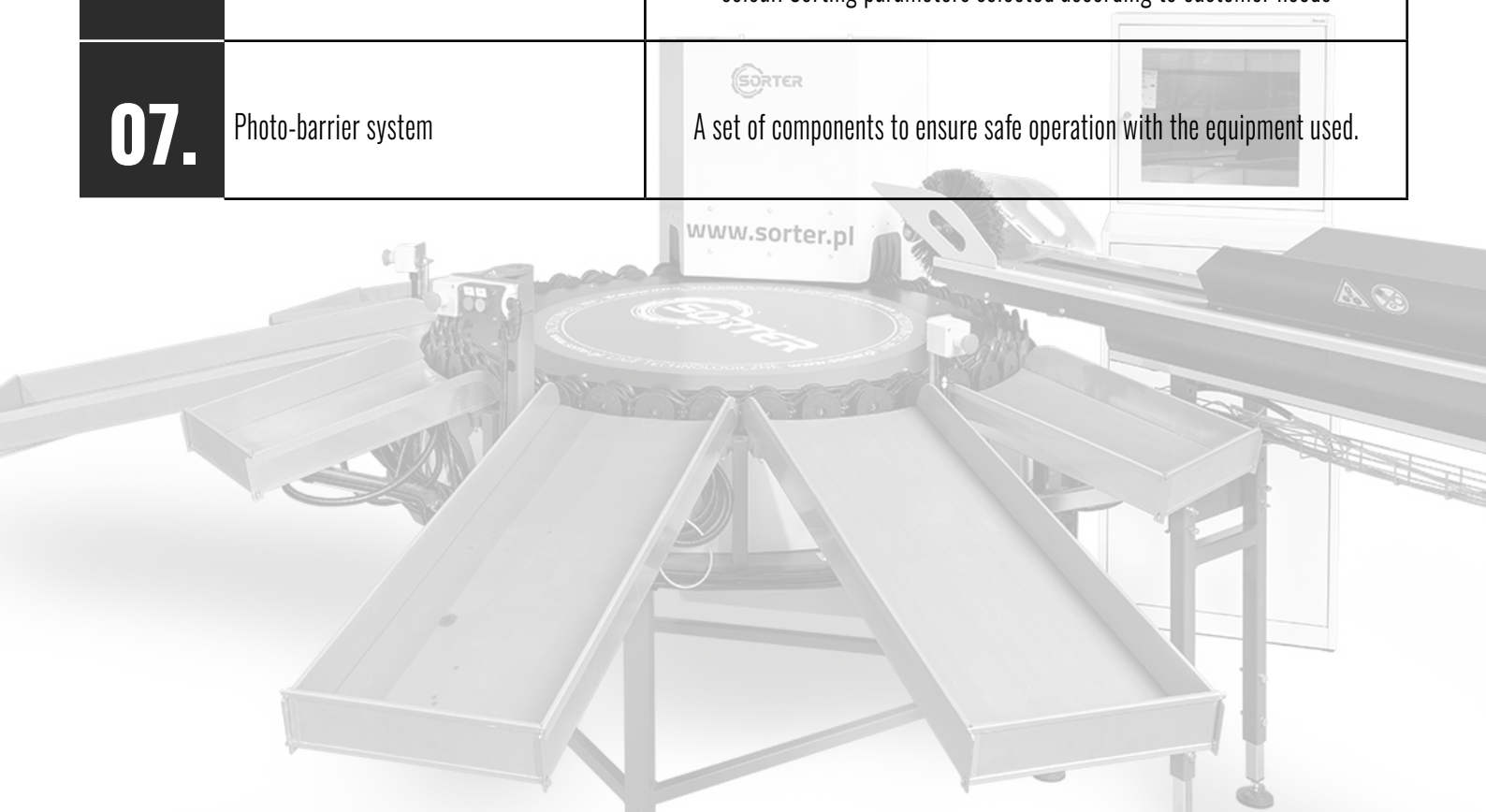


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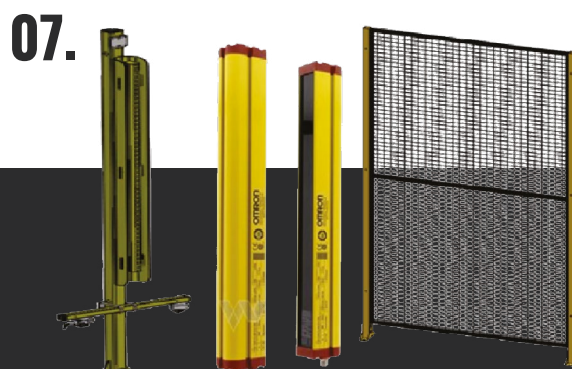
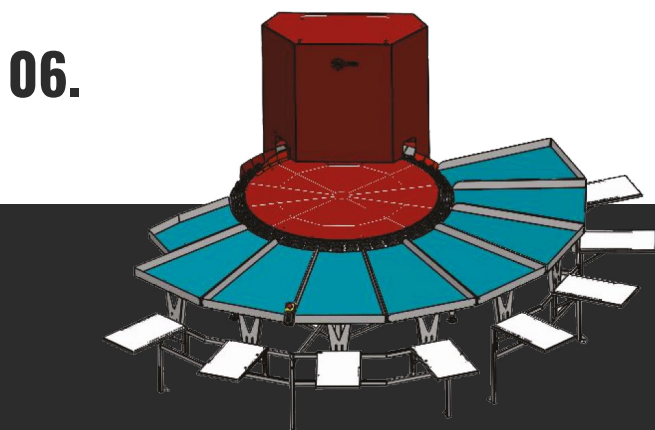
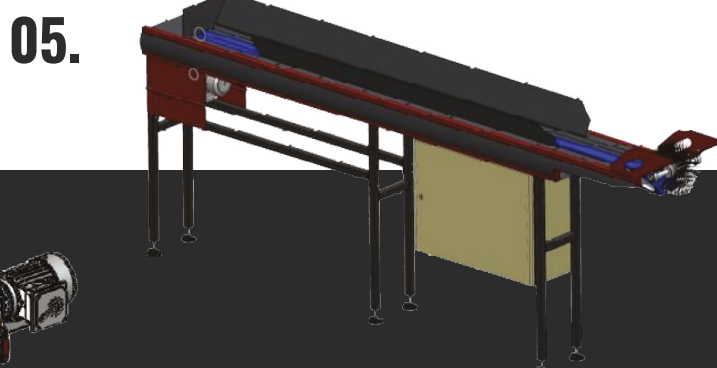
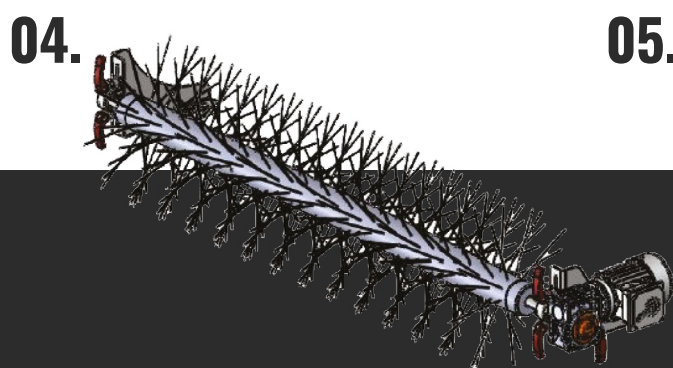
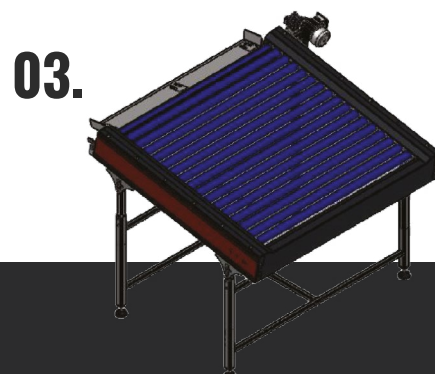
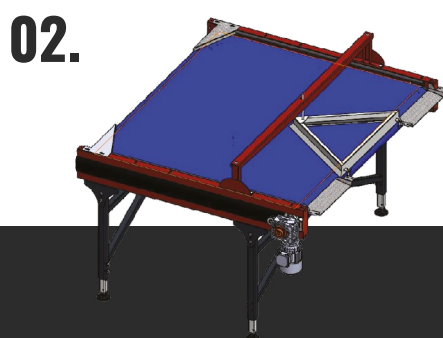
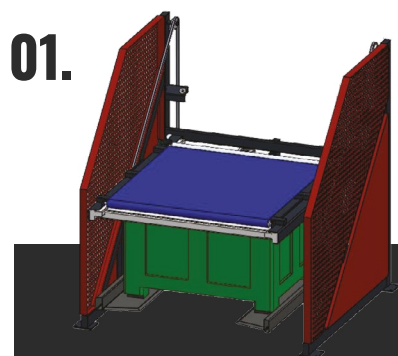


04. MONO SORTING LINE BOTTOM DISCHARGE

01.	Hydraulic pallet tippler SWP-D	The tippler automatically unloads the box-pallets. There is a top discharge for this unit.
02.	Belt conveyor PTR	The conveyor serves to evenly distribute the product and can also be a place for manual unloading of the fruit. In addition, the conveyor is equipped with a handlebar that divides the fruit into two streams.
03.	PRU-P inspection flat tube conveyor	The conveyor's job is to separate the fruit and place it at equal distances and inspect it.
04.	ZSN driven transfer brush unit	The brush is used to gently transfer the fruit onto a V-type conveyor.
05.	Conveyor belt V-1	The conveyor aligns the fruit in front of the sorting machine, with the additional effect of reducing the distance between the fruit.
06.	Mono path:1 sorting machine, number of outputs: 8+1	The Mono sorting machine is a compact proposition for customers who need professional equipment and want the line to occupy a small space. Thanks to the use of a vision system, it is possible to sort according to parameters: size and colour. Sorting parameters selected according to customer needs
07.	Photo-barrier system	 A set of components to ensure safe operation with the equipment used.

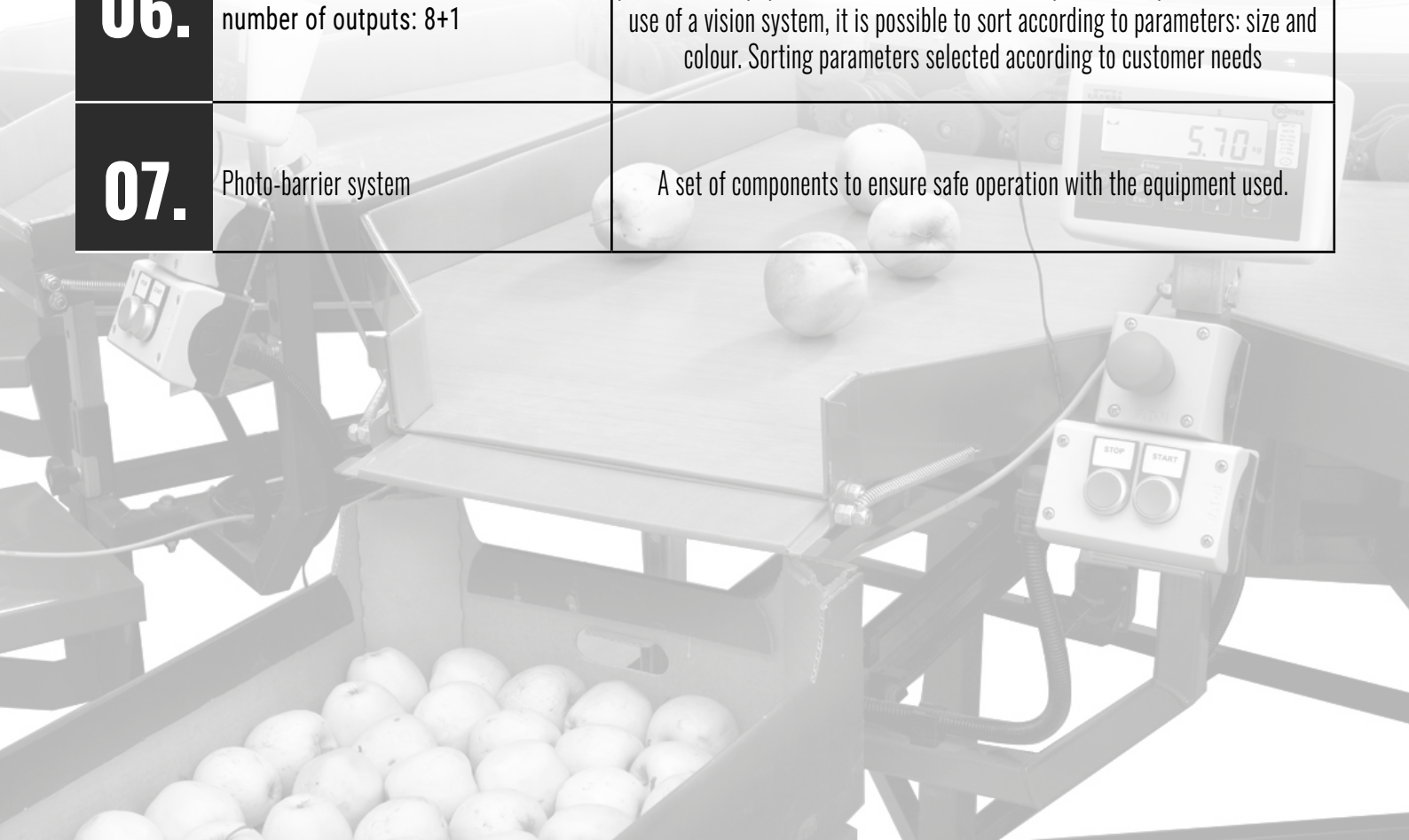


05. MONO SORTING LINE TOP DISCHARGE



05. MONO SORTING LINE TOP DISCHARGE

01.	Electric box pallet tippler SWP-A-03	The tippler automatically unloads the box-pallets. There is a top discharge for this unit.
02.	Belt conveyor PTR	The conveyor serves to evenly distribute the product and can also be a place for manual unloading of the fruit. In addition, the conveyor is equipped with a handlebar that divides the fruit into two streams.
03.	PRU-P inspection flat tube conveyor	The conveyor's job is to separate the fruit and place it at equal distances and inspect it.
04.	ZSN driven transfer brush unit	The brush is used to gently transfer the fruit onto a V-type conveyor.
05.	Conveyor belt V-1	The conveyor aligns the fruit in front of the sorting machine, with the additional effect of reducing the distance between the fruit.
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07.	Photo-barrier system	A set of components to ensure safe operation with the equipment used.



06. ORCHARD PLATFORM

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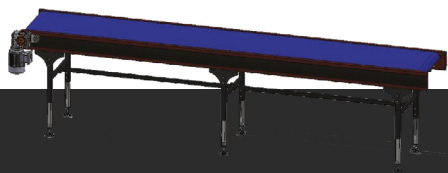


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The self-propelled orchard platform PS-1 is adapted to work in difficult terrain which requires moving over irregular terrain: deep ruts, boggy, wet soil. The device facilitates all height works in the orchard, such as fruit picking, cutting branches, thinning fruit buds, working with hail nets, etc. The panel located on the platform allows stepless adjustment of the platform height and width, thus enabling work in orchards with different tree heights. The extendable side platforms further increase the functionality of the unit, allowing the width of the platform to be adapted to the width between the trees. The platform can be fitted with an automatic guidance system. The installed pivoting arm forces it to drive parallel to the tree row. If the arm encounters a tree trunk, it automatically forces the wheels to turn, after which they readjust to drive straight ahead.

07. PALLETISING LINE

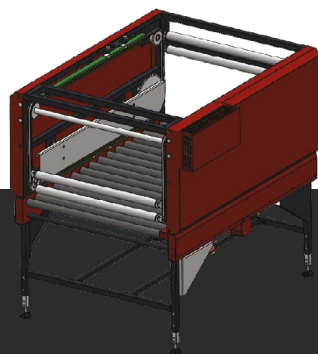
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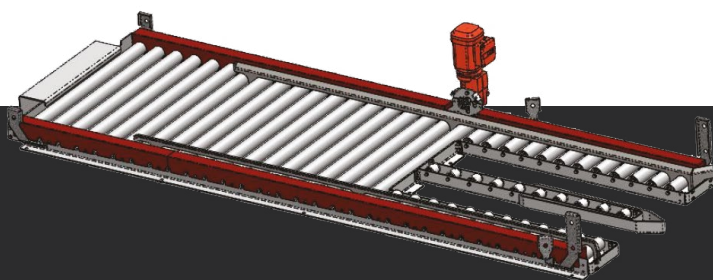
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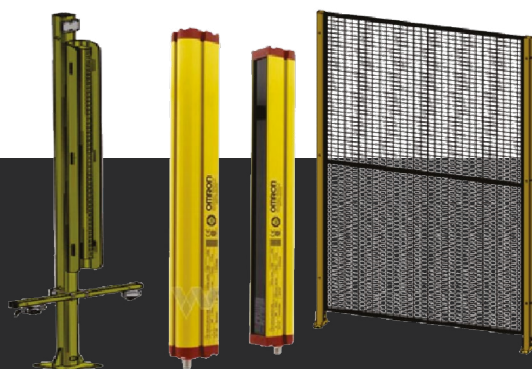
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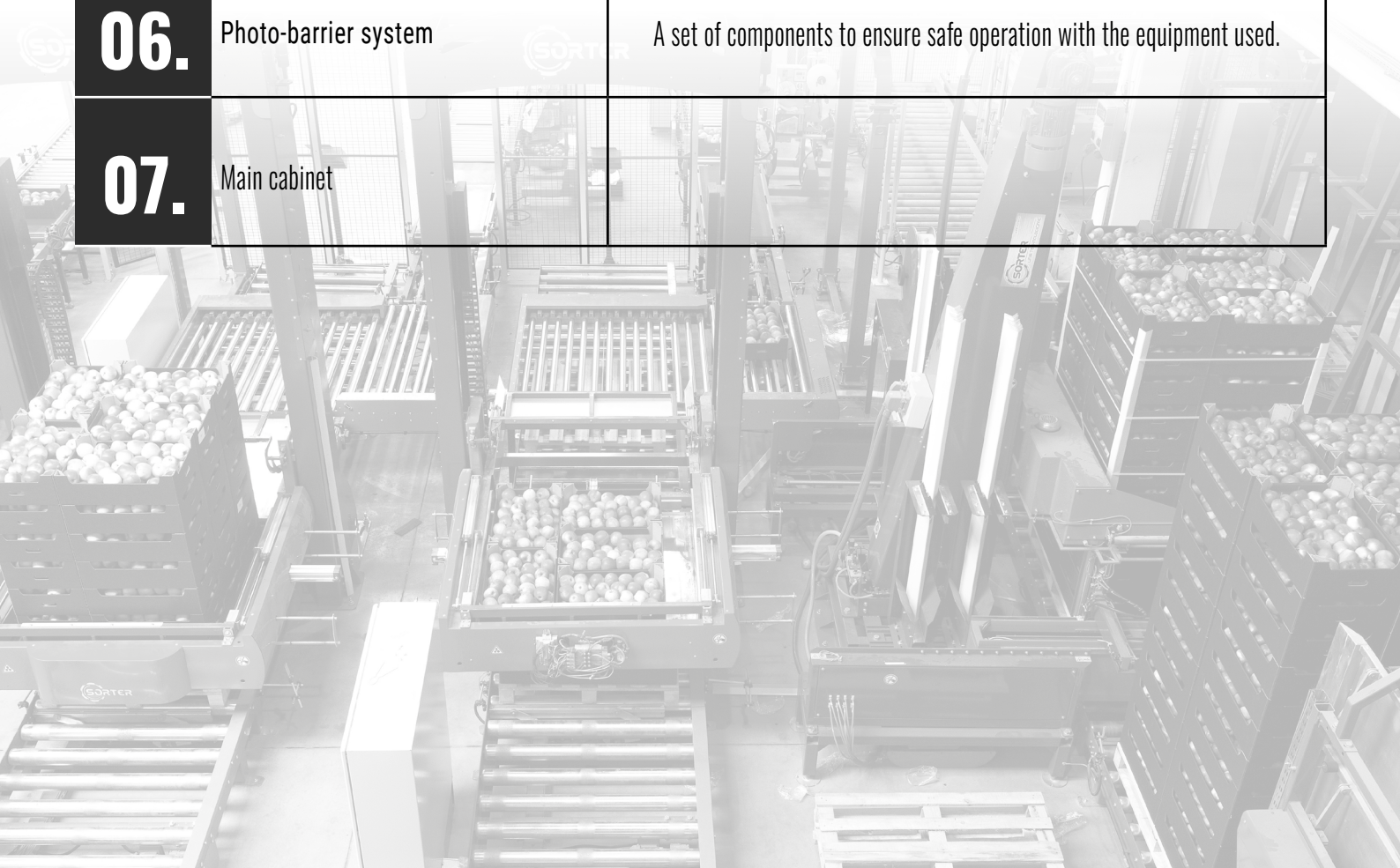


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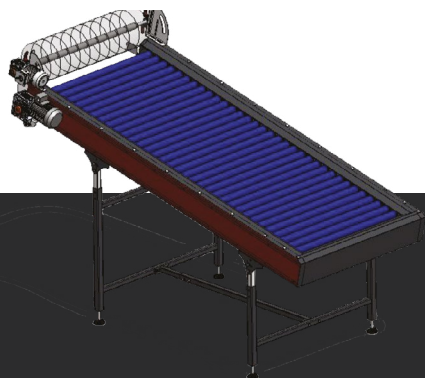
07. PALLETISING LINE

01.	Belt conveyor carton PTK 2	The conveyor is used to transport full packages (cartons). It can be used as a loading area or be connected to an existing production line.
02.	OBP palletiser turntable conveyor	The conveyor is designed to rotate the boxes, which will then go to palletisation.
03.	Palletiser roller table with top scraper PRP-G	The device is designed to position one layer of packs directly in front of the palletiser.
04.	PTZ packaging palletiser	The stacked layer of packs arrives at the Palletiser, which places further layers on the pallet. The machine places a preset number of layers on the pallet. As an additional option, the palletiser can be fed automatically from the stacking bin.
05.	PRP-C pallet roller conveyor	The conveyor is adapted to be operated by a forklift truck. Its function is to feed an empty pallet and pick up a full pallet.
06.	Photo-barrier system	A set of components to ensure safe operation with the equipment used.
07.	Main cabinet	



08. BAGGING LINE

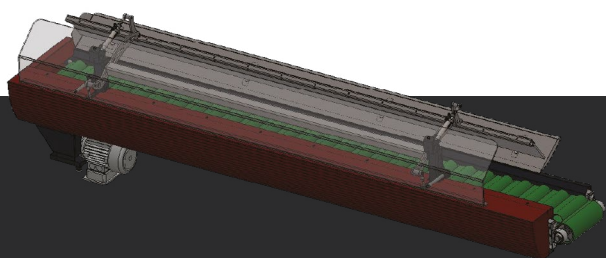
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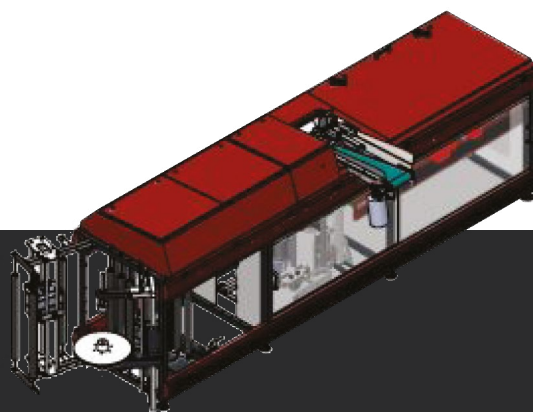
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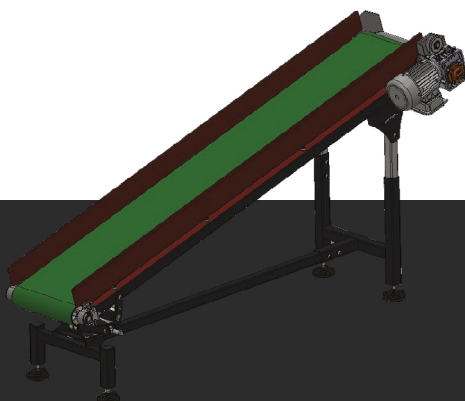
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08. BAGGING LINE

01.	Tube conveyor of the PRU-W weighing machine	The conveyor is used to transfer and feed the fruit to the weighbridge. It can also be used as a place to unload the product when the line is not connected to the sorting machine.
02.	Fruit weigher WNA-14K	The machine consists of fourteen heads, which are designed to dose the product according to a preset weight. Thanks to this number of heads, the portions have a very high accuracy in terms of the expected weight. The weighing machine is used for spherical fruit and vegetables such as tomatoes, onions and beetroot.
03.	Dividing conveyor for PRW-L / P weighbridge	A conveyor transports portions of fruit from the weighing machine to the bagging machine.
04.	Bag filler NWP-L / P	<p>The weighed product is packed into bags automatically.</p> <p>The unit can operate in-line with a weighing machine or be integrated into an existing packaging line. Thanks to the use of anti-scratch plastics, packaging of the products is gentle. The filling machine is designed for packing round fruit and vegetables such as tomatoes, onions and beetroot.</p>
05.	Belt conveyor for PTP fruit pouches	The packed products arrive on a conveyor transporting the parcels to where they will be packed.
06.	SON swivel wheel	The machine is used to buffer full packs, from which packs are retrieved to be packed in bulk.



ADDITIONAL SERVICES



TECHNICAL
INSPECTIONS



SERVIS



DESIGN



SUPPORT IN
OBTAINING
GRANTS

TECHNICAL MAINTENANCE:

Maintenance is a key aspect of ensuring the safety and efficiency of equipment, machinery or installations. Any piece of equipment that is regularly technically checked will last longer. This also translates into avoiding additional costs for unexpected repairs that could have been avoided by taking care of your machinery.

SERVIS:

Our qualified staff provide a professional approach and advice on machine repair. Our many years of experience in the manufacture and assembly of machines enables us to meet even the greatest challenges.

DESIGN:

Responding to customer enquiries, our design team is able to offer unusual solutions by considering individual needs. As we are also a production company, we are able to manufacture the designed machines using equipment from our machinery park. Finally, we implement the finished machines at our customers' premises.

SUPPORT IN OBTAINING GRANTS:

Supporting clients in obtaining grants is an important service, especially when it comes to investing in new technologies. If you are looking for available sources of funding, assistance in preparing appropriate applications and documentation, we encourage you to take advantage of our assistance. We are able to offer solutions that will help your company to obtain a grant and influence its development and competitiveness on the market.

EXAMPLES OF REALIZATIONS





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