



Equipment to profit



www.peruza.com



PRODUCT PROCESSING



PRODUCTION SYSTEM



CUSTOMIZED SOLUTIONS

Within our more than 30 years of experience we have specialized in finding the bottlenecks and inefficiencies within the existing production process, and creating the best equipment to solve these issues mainly for the food processing industry, especially for fish processing.

We create fully custom machinery and software for fish, meat, vegetable and fruit, and other industries for all various processes to improve quality and yield and introduce faster, more reliable and efficient food processing globally.

Our core competence comes from processing small pelagic fish production from ship to shelf. Receiving, processing, canning, and packaging is what we do. We have managed to transfer the ability to account for each small fish into the processing of larger commercial fish species. Accountability and traceability of fish catch is a must in processing.

We believe even proven technologies can be improved, therefore PERUZA continuously devotes resources to research and development in order to create better solutions for our customers. By improving our solutions we can offer more reliable equipment for more quality food around the globe.

We believe the future of processing will be a combination of the human workforce and Robotic precision. PERUZA is researching new Artificial Intelligence-based vision systems that will allow ensuring processing and quality checks for more quality products. Account for, check and produce with PERUZA Robotic vision systems.



SOLUTIONS



FISH / SEAFOOD

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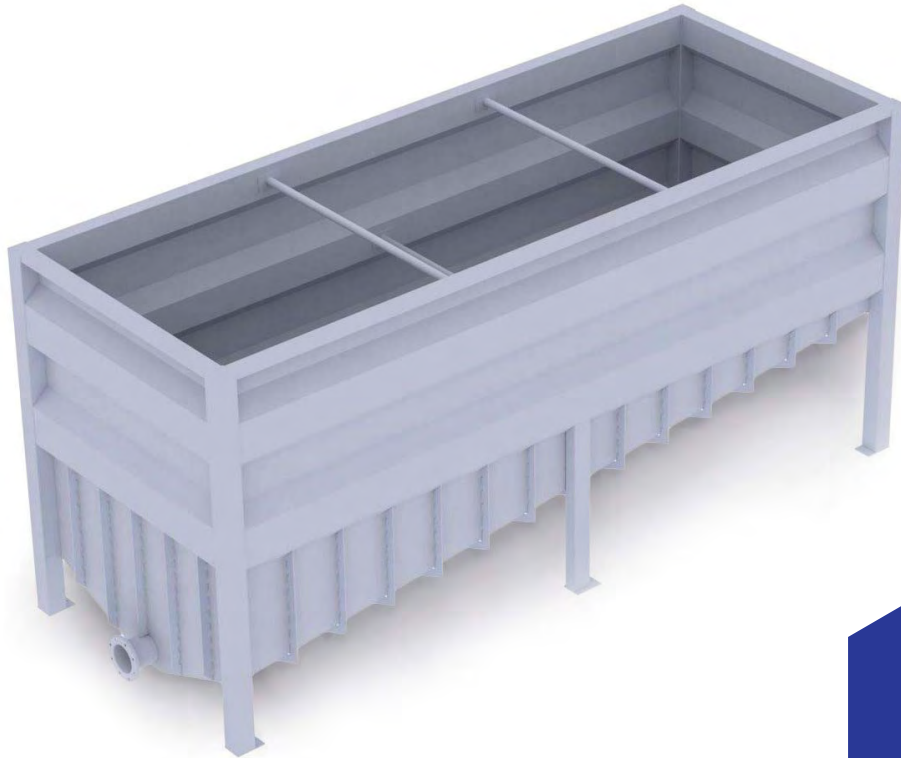


SOLUTIONS
FISH / SEAFOOD



Processing systems

Accumulation Tank



See more:



Large
effective
volume

APPLICATION

Accumulation tank is designed to improve fish handling process when it is being received from vessels. Main purpose of accumulation tanks is gentle and effective fish storage before next processing step such as grading, freezing or brining. Tanks can be ordered in different sizes that are suitable for individual factory needs and space availability.

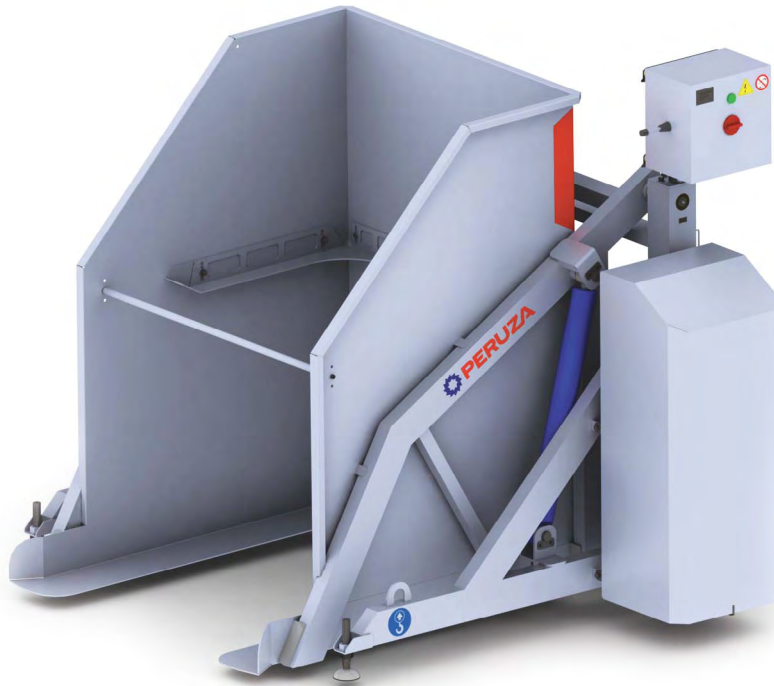
TECHNICAL CHARACTERISTICS

Available volume range	1 – 50 m ³
Fish infeed	Piping system, conveyors, containers
Fish outfeed	Piping system, conveyors
Available options	Cooling, recirculation



Processing systems

Bin Tipper



Fast product handling

See more:



Processing capacity*

Bin tipper

Max load	800 kg
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* Equipment is adaptable to various size and weight dimensions

APPLICATION

Bin tippers can be ordered for different bin shapes and sizes that are used in food processing industries. The use of bin tippers allow easier handling of fish or other product bins by hydraulic tipping system.

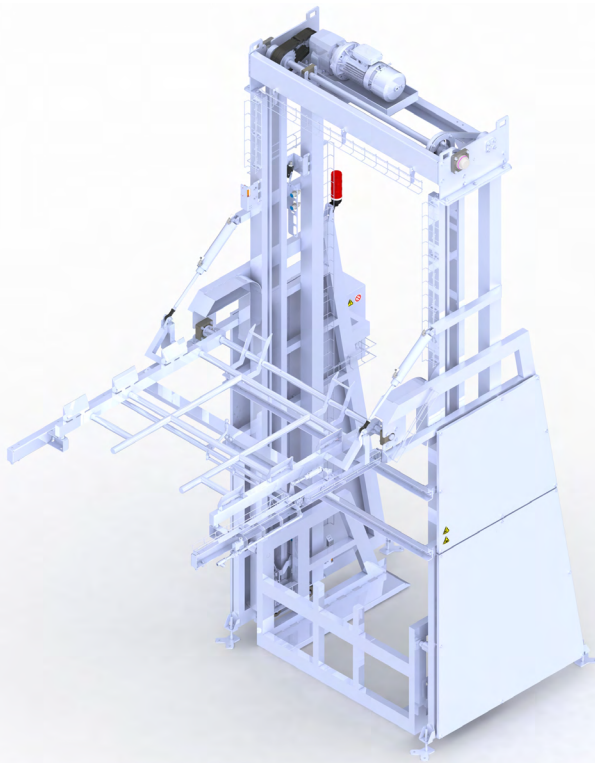
TECHNICAL CHARACTERISTICS

Product	Bins of various food and non-food products
Maximum payload	800 kilograms
Equipment dimension (LxWxH)	1685 x 1960 x 1475 mm
Number of operators on the machine	From 0 up to 1
Key features	Effectiveness, adaptivity, ergonomic



Processing systems

Vertical Bin Tipper



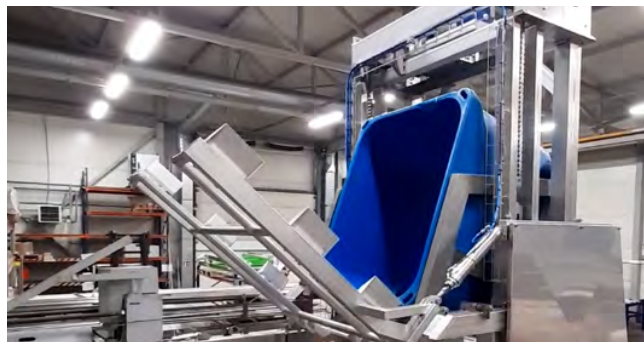
Improved
workflow
efficiency

APPLICATION

Vertical Bin Tipper automates process of lifting and emptying bins, enhancing efficiency and reducing manual labour. Particularly useful in industries such as manufacturing and food processing, where the efficient handling of bins is crucial for streamlined operations and worker safety.

TECHNICAL CHARACTERISTICS

Speed	0.18 m/s
Compressed air	6 bar
Lifting capacity	650 kg
Power	2.2 kW
Necessary water supply	2-3 bar



Processing systems

Hopper Elevator



See more:



Higher
accumulation
capacity

APPLICATION

Hopper elevator is widely used for various processing solutions to lift the product to specific height and use gravity to transport the product through the processing unit. The main applications of different hopper elevators types include fish or other product grading, nobbing, filleting and others. The tank volume and lifting belt dimensions can be ordered in large variety depending on the processing needs.

TECHNICAL CHARACTERISTICS

Tank volume	0.5 - 50 m ³
Belt speed (adjustable)	30 - 400 mm / s
Width of transportation zone	300 - 1300 mm
Height of conveyor	1000 - 5000 mm
Shelf pitch	50 - 500 mm
Shelf height	25 - 150 mm



Processing systems

Fish Defroster

Continuous
defrosting
process



See more:



Processing capacity

Fish defroster

Available water defrosting line options	
Single water defrosting line	Up to 1200 kg / h
Double water defrosting line	Up to 2400 kg / h

APPLICATION

PERUZA professional fish defroster is designed for the quick defrosting of Anchovies, Sardines and other types of pelagic fishes. The defroster handles fish in blocks but can also work with IQF products. The professional fish defroster ensures faster defrosting and continuous process for more efficient fish processing reduced labor costs are also significant benefit.

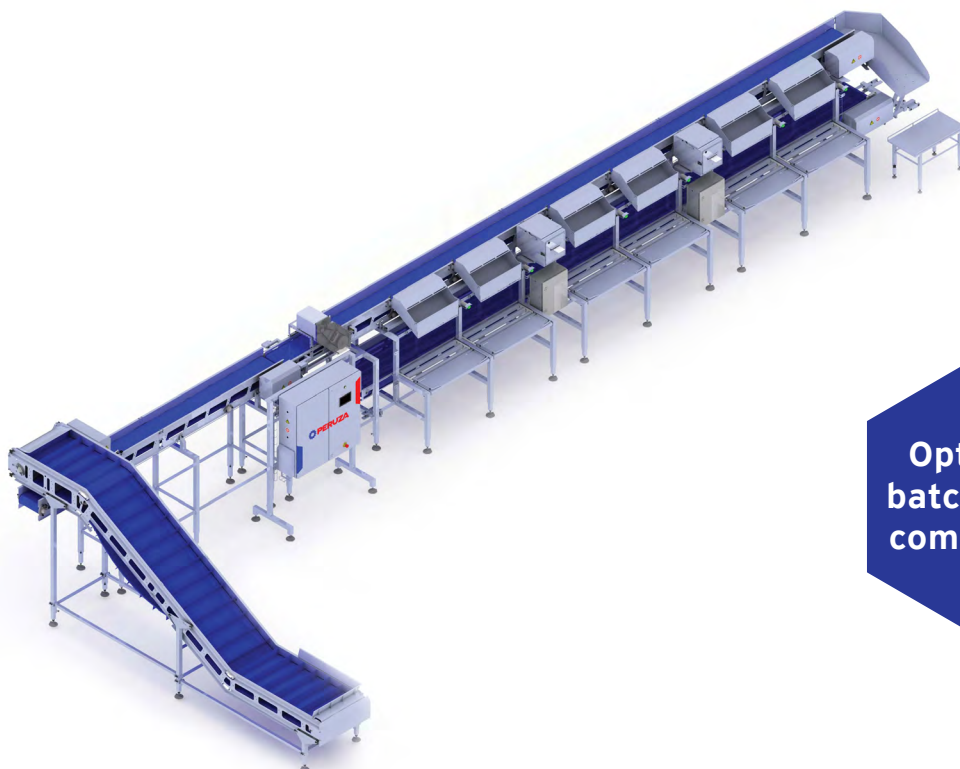
TECHNICAL CHARACTERISTICS

Product	Trays, cans, boxes, crates, containers, tins, packs, buckets and bundles
Maximum payload	25 kg
Speed	Up to 2.500 units per hour
Material used in construction	Stainless steel AISI 304, or powder coated steel
Product infeed	Synchronized
Product outfeed	Automatic
Key features	High speed, smooth and uninterrupted transportation process



Processing systems

Flow Weight Grader



Option for batching and combining

See more:



Processing capacity*

Flow weight grader

Fish, poultry, meat Up to 120 products/min

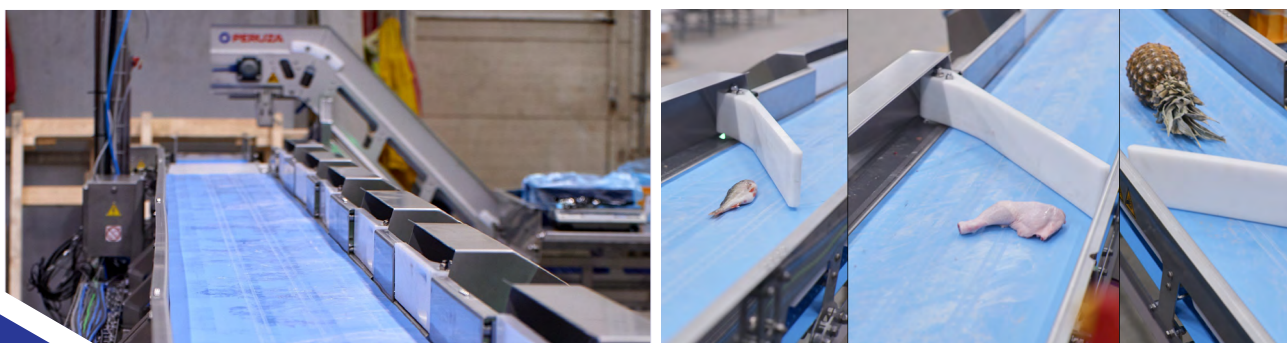
* Equipment is adaptable to various size and weight dimensions

APPLICATION

Flow Weight Grader has been designed for continuous and fast product grading and batching in boxes, bins or containers. It makes precise weighing of the fish, poultry or meat and places them into relevant grading group. Target batching option. Flow Weight Grader can be enabled for combinations of products in the target batch weight by reducing its overweight.

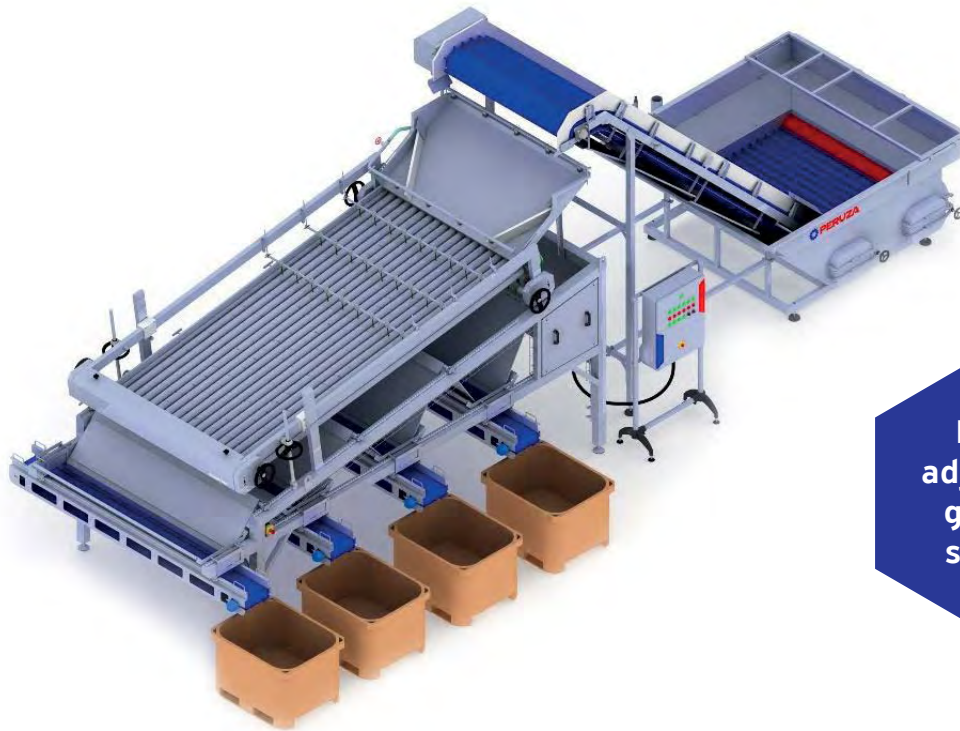
TECHNICAL CHARACTERISTICS

Product	Fish, poultry, meat
Capacity	Up to 120 products/min
Precision	1%
Key features	Precise, adaptable, effective



Processing systems

Roller Grading Line



Easily adjustable grading system

See more:



Available grader options

Fish size	Grading line type
Small 65 – 100 pc / kg	19 roller grading line
Medium 65 – 30 pc / kg	15 roller grading line

APPLICATION

Roller grading line is designed to calibrate fish by its thickness. The design is made for fresh small fish like sprats and Baltic herring species and similar ones like sardines, pilchards and anchovies.

TECHNICAL CHARACTERISTICS

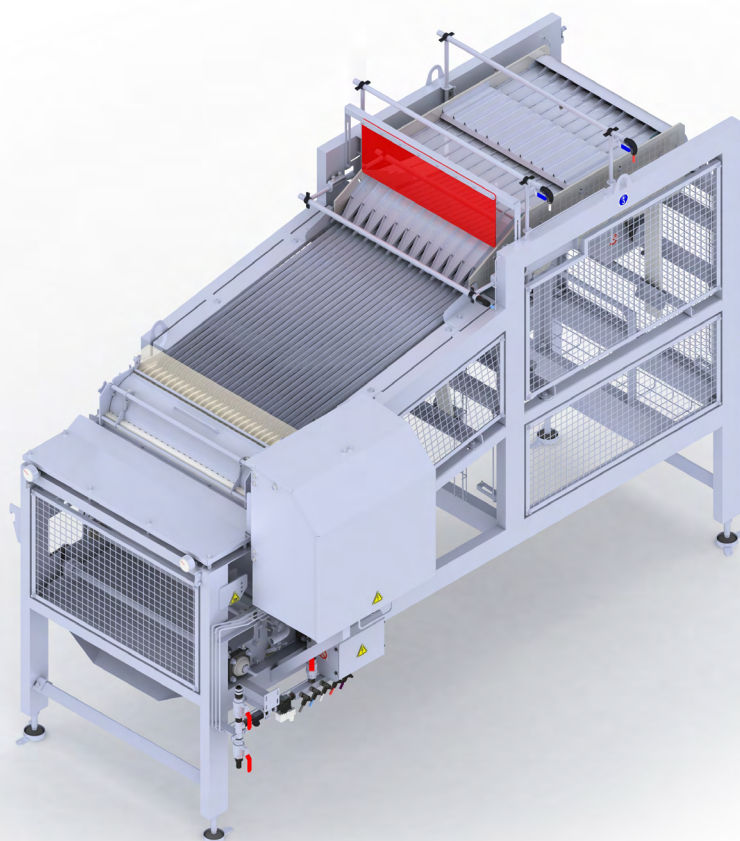
Fish	Pelagic fish
Number of grades	3+ oversize
Size of processed fish	30 – 100 picks per kilogram
Equipment dimension (LxWxH)	9300 x 3200 x 3600 mm
Capacity	Up to 8000 kilograms per hour
Length of rollers	3500 mm



Processing systems

Drum Type Nobbing Machine

Maximized
usable yield



See more:



APPLICATION

Drum Type Nobbing Machine automates small fish nobbing and removing of heads, ensuring rapid and efficient processing. Especially beneficial in fish processing facilities where high-volume processing and consistent product quality are essential for operational success.

TECHNICAL CHARACTERISTICS

Processable fish size	90 - 140 mm
Productivity with fresh fish	Up to 900 fish/min
Water consumption	Max 0.5 + 2.0 m ³ /h for filling baths
Ingress Protection	IP65



Processing systems

Pocket Type Nobbing Machine



Clean cuts without damaging the fish



Processing capacity
Pocket type nobbing machine

Achievable product	Pocket nobbing	Pocket nobbing + filleting
H	■	■
H&G	■	■
H&G/T	■	■
Belly cut		■
Single fillet		■
Butterfly fillet		■

See more:



APPLICATION

Pocket type fish nobbing machine is widely used for processing fresh or defrosted fish. Pocket type fish nobbing machine is most flexible way how to process sardines, mackerel, herring, anchovy and other pelagic fishes. Able to produce H&G or fillets, pocket type nobbing/filleting is adaptable for the product of your choice with only few adjustments needed to change product type. Modular design enables step by step integration. Start with simpler products and end up with fully automatic line.

TECHNICAL CHARACTERISTICS

Productivity	Up to 350 pockets per minute
Pocket width	30 mm; 50 mm
Length of ready product	Adjustable
Number of operators	From 1 up to 4
Water consumption	8 liters per minute
Machinery power	1 kW



Processing systems

Small Fish Filleting Machine

SFFM 110



**3 times
higher productivity
than conventional
pocket nobbing
machines**

See more:



Processing capacity* SFFM 110

Length of fish	90 – 140 mm	Up to 200 fish / min
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* Capacity can vary depending on fish species and freshness of fish

APPLICATION

Equipment is designed for fresh pelagic fish processing. The nobbing section can create headed, gutted, tail off straight cut loins. With filleting unit, it is possible to make “butterfly” type or single fillets or cut off belly and clean it with brushes. Small fish filleting machine SFFM 110 is used for fish 9 – 14 cm, such as sprats, anchovies, capelin and other.

TECHNICAL CHARACTERISTICS

Product	Small pelagic fish
Capacity	Up to 200 fish per minute
Size of processed fish (length)	90 x 140 mm
Equipment dimension (LxW)	2650 x 3265 mm
Number of operators on the machine	2
Key features	Small footprint, flexibility



Processing systems

Drum type nobbing line

One machine
replaces
13 – 15 manual
processing
specialists



Processing capacity*

Drum type nobbing

Length of fish	Capacity (fish / min)
120 – 140 mm	600 – 800 fish / min
100 – 120 mm	700 – 900 fish / min
90 – 100 mm	600 – 800 fish / min

* Capacity can vary depending on fish species and freshness of fish



APPLICATION

Drum type nobbing line is designed as high capacity small fish nobbing equipment. Equipment can process up to 900 small pelagic fish per minute. Drum type nobbing can produce H&G or H&G/T fixed length product. Drum type nobbing line is used for fish 9 – 14 cm, such as sprats, anchovies, capelin and other. Processing slightly out of range can reduce output.

TECHNICAL CHARACTERISTICS

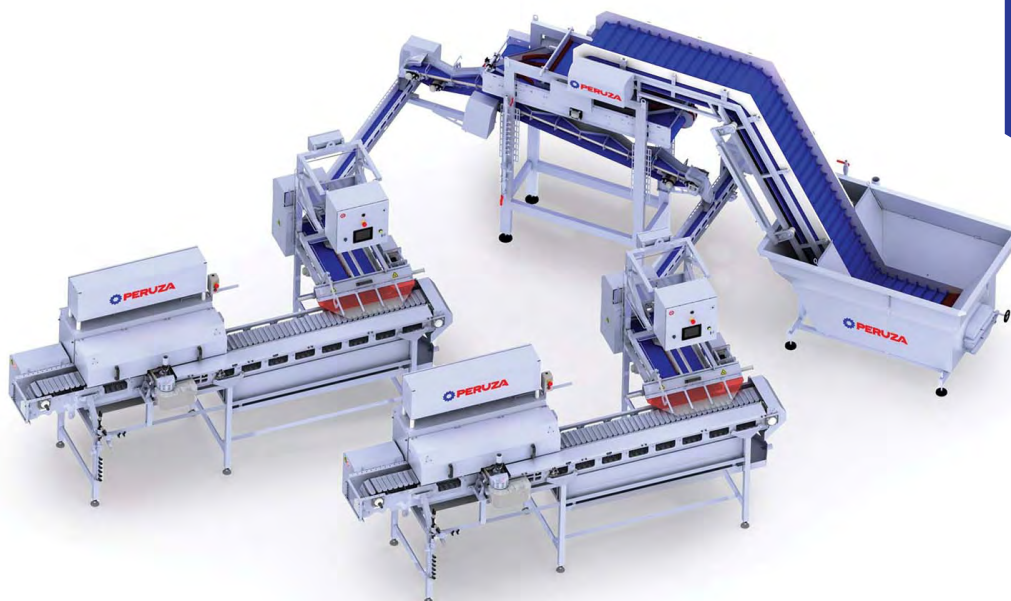
Product	Small Pelagic fish (fresh)
Capacity	Up to 900 fish per minute
Size of processed fish (length)	90 – 140 millimeters (must be graded)
Equipment dimension (LxWxH)	7630 x 2250 x 2800 mm
Volume of receiving tank (efficient)	2
Water level	Adjustable water level control



Processing systems

Pelagic Fish Nobbing Line With Automatic Infeed

Only 1
operator per
cutting machine



Processing capacity*
Pelagic fish nobbing line with
automatic infeed

See more:



Length of fish	1 - head Autofeeder	2 - head Autofeeder
170 – 200 mm	200 pocket / min	400 (2 x 200) pocket / min
150 – 170 mm	250 pocket / min	500 (2 x 250) pocket / min
130 – 150 mm	300 pocket / min	600 (2 x 300) pocket / min

* Capacity can vary depending on fish species

APPLICATION

Nobbing line with automatic infeed is designed to create H&G or H&G/T fish loins and to reduce the number of operators for fish cutting machines with pocket conveyors. Equipment delivers fish from hopper tank and distributes them into cutting machine pockets automatically, adjusting its speed with the speed of cutting machine.

TECHNICAL CHARACTERISTICS

Fish type	Pelagic fish
Size of processed fish (length)	130 – 200 mm
Processing capacity	Up to 600 pockets per minute
Number of operators on the machine	1 per cutting machine
Volume of receiving tank (efficient)	0.6 m³
Key features	Effectiveness, speed, quality



Processing systems

Manual Processing and Trimming Lines



Ergonomic design

See more:



Processing capacity*

Manual processing and trimming line

Product	Any product that must be sorted
Number of operators	5 – 25
Number of grades	Up to 3
Grading capacity	1000 kg – 10 000 kg per day

APPLICATION

Manual processing lines are developed for various production process such as grading, cutting, trimming, filleting etc. Manual grading line comes in various executions and lengths. Available options for 5 to 24 operators. Manual grading line can be equipped with platforms for operators, which minimizes contact area with the floor.

TECHNICAL CHARACTERISTICS

Performance	Depends on the process
Product infeed	Hopper elevator or manual
Number of operators	From 5 up to 24
Key features	Modularity, ergonomic design



Processing systems

Fish Descaling Machine



High production rate

See more:



Processing capacity*
Fish descaling machine

Length of fish

170 mm – 300 mm Up to 2,5 tons / h

* Equipment is adaptable to various size and weight dimensions

APPLICATION

Automatic descaling machine is designed to de-scale fish. It consists of metallic frame and stainless drum with interchangeable blades. It includes infeed shoot and outfeed shoot. Speed and angle of the drum can be adjusted according to the fish quality.

TECHNICAL CHARACTERISTICS

Product	Fish (sardines, sardinella, etc.)
Capacity	2.5 tons
Equipment dimension (LxWxH)	3500 x 1235 x 2050 mm
Number of operators on the machine	1
Key features	High capacity, continuous workflow



Processing systems Salmon Deslimer / Fillet Washing Machine



Increased
productivity
up to
40 pcs / min

See more:



Fillet washing machine

Gentle and effective
fillet washing

Adjustable water pressure

Up to 40 fillets per minute

Easy and efficient waste
collection

Easy integration with
existing processing
systems

Deslimer

Efficient slime and
blood removal

Adjustable water pressure

Up to 30 fish per minute

With belly rinsing option

Easy integration with
existing processing
systems

* Prolonged shelf life for products due to bacteria
removal

APPLICATION

Deslimer and fillet washing machine is designed to remove impurities and remainings from the surface of fish. Deslimer processes whole fish while fillet washing processes fillets. The process of washing is important to significantly decrease the number bacteria on whole or gutted fish and increase overall product hygiene levels.

TECHNICAL CHARACTERISTICS

Performance	Up to 40 picks per minute
Water usage	Up to 30 liters per minute
Size of processed fish	1 – 5 kilograms
Equipment dimension (LxWxH)	3500 x 1200 x 1450 mm
Washing pressure	2 bar
Weight	≈ 550 kilograms



Processing systems

Continuous Brining Line



**Controllable
brining time**

See more:



Processing capacity

Continuous brining line

Produce	Defrosted or fresh fish
Capacity	Up to 1000 kg / h if salt concentration in final product is 1.2%

APPLICATION

Continuous brining line is developed for medium and high productivity process brining line ensures constant brining time and brining results. Continuous line reduces time needed for operation. Continuous brining line can be used in line with defrosting and nobbing line.

TECHNICAL CHARACTERISTICS

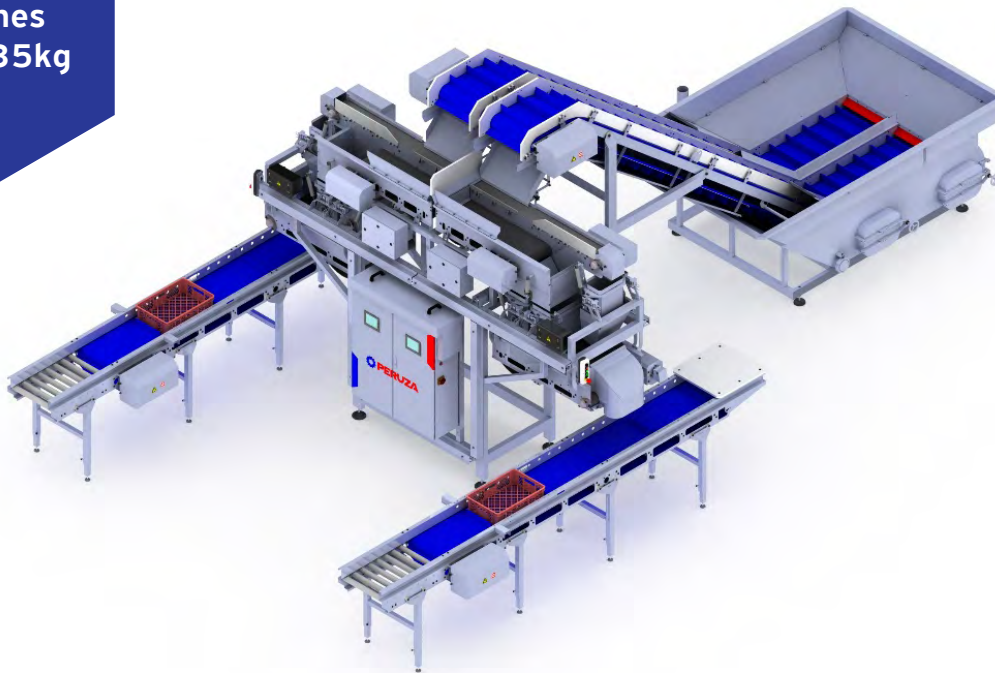
Performance	Up to 1000 kilograms per hour
Brining ambience	Salt water
Fish infeed	Manual or automatic
Equipment dimension (LxWxH)	7500 x 1900 x 3000 mm
Number of operators	1



Processing systems

Full Speed Batcher

Batches
up to 35kg



See more:



APPLICATION

Full Speed Batcher is developed for flexible amount batching needs with high speeds and precision. Equipment can be used for fish, meat, vegetables and any product, that needs to be packed in predetermined weight.

TECHNICAL CHARACTERISTICS

Performance	Up to 24 batches/min
Batch adjustment range	2 - 35 kg
Batching precision	+/- 1-3 product pieces (depending from the fish size and type) per batch
Product to be batched	Fish, meat, vegetables
Equipment dimension (LxWxH) – Double line	8400 x 5000 x 3100 mm
Key features	Precision, Speed, Flexibility



Processing systems

Air Thawing Chamber



Reduced defrosting time

See more:



Processing capacity*
Frozen fish thawing chamber

Thawing time from -20°C to -0,5°C 3,5 – 5 hours

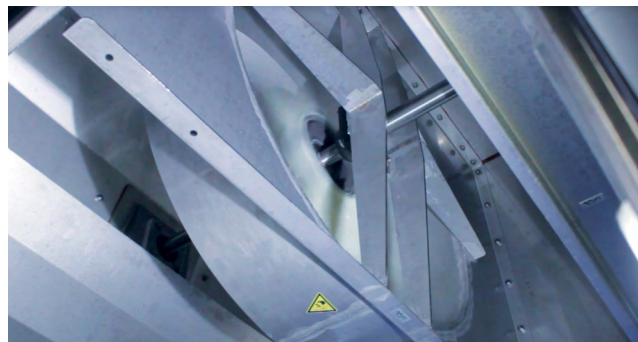
* Equipment is adaptable to various size and weight dimensions

APPLICATION

Frozen fish thawing chamber is designed for frozen fish block thawing in chamber with water drops and steam environment. The quality and production speed depends on the frozen fish block size and initial temperature, fish size, and fish freshness.

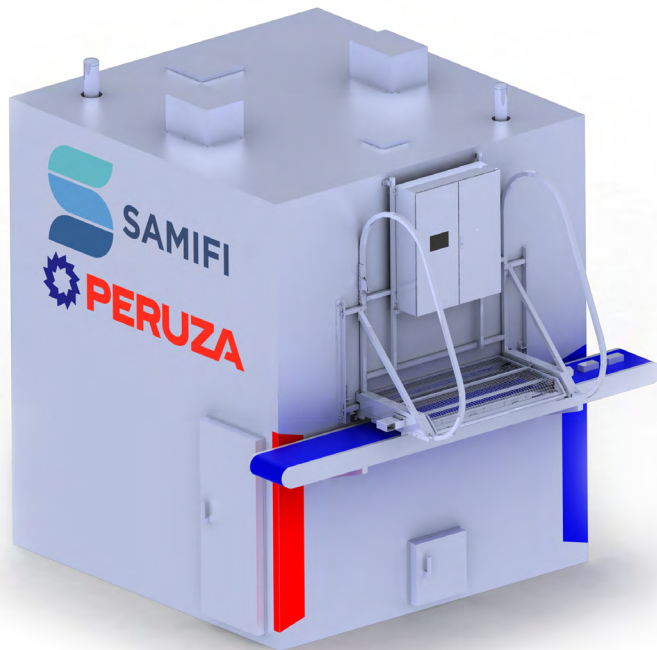
TECHNICAL CHARACTERISTICS

Product	Frozen fish blocks
Defrosting time from -20 to - 0,5 degree Celsius	3.5 – 5 hours per trolley
Equipment dimension (LxWxH)	Up to 600 x 400 x 150 mm
Number of operators on the machine	From 1 up to 2
Key features	High degree of homogeneity, reduced defrosting time, simple operating



Processing systems

Automatic Plate Freezer



Fully automatic operation almost 24/7

See more:



The product

Processing capacity
Automatic plate freezer

Up to 7 tons /h

APPLICATION

Fully automatic freezer utilises the efficient process of contact freezing for deep freezing products in boxes, trays, cartons or similar packaging. For decades, it has been well reputed in the market for the first class quality of frozen products. Due to low operational costs and a minimum of required space, this freezing system is superior to all other systems. Its compact construction allows for large freezing capacities on minimal floor space, that is up to 430 kg/h per m².

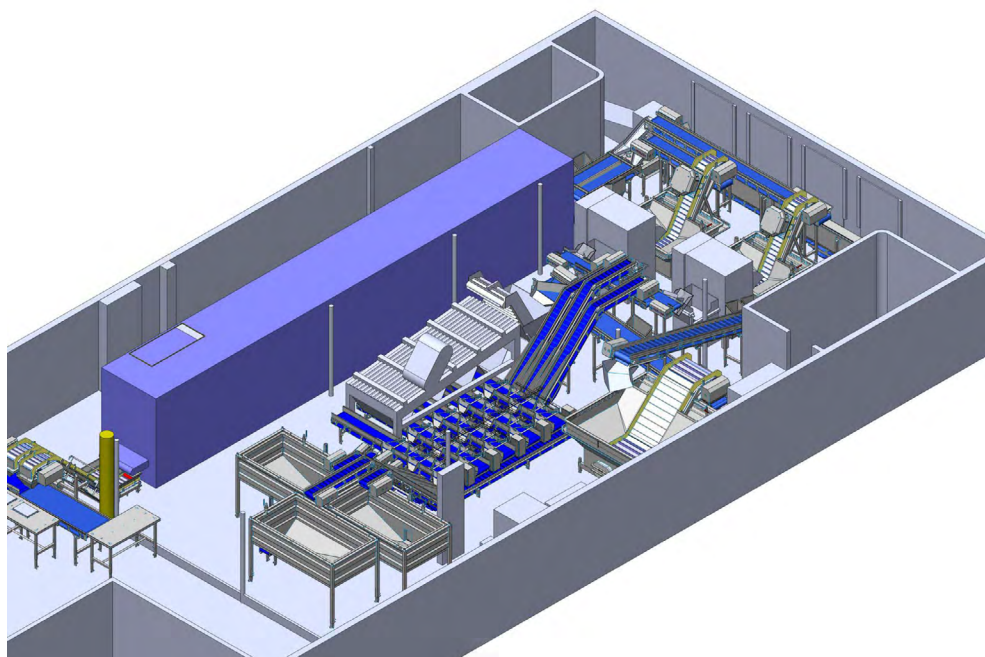
TECHNICAL CHARACTERISTICS

Tray size	On request
Processing capacity	Up to 7 tons /h
Energy consumption	Up to 34% less compared to blast freezing
Footprint (LxWxH)	4m x 4m x 6m
Key features	Productivity, efficiency



Processing systems

Processing Factory on Board



Ship can spend more time at sea

See more:



Processing capacity*
Processing factory on board

Fish, shrimps etc. Up to 1000+ kg / h

* Equipment is adaptable to various size and weight dimensions

APPLICATION

Processing factory on board is designed to ensure high quality products without unloading them for processing on shore. All important processes after catching fish or other seafood products are done directly on board. When fishing vessel comes to shore for unloading, products are ready to be delivered right on store shelves.

TECHNICAL CHARACTERISTICS

Product	Raw fish or other seafood
Capacity	Up to 1000+ kilograms per hour
Size of processed product	Depends on client product
Processing line dimensions (LxWxH)	30 000 x 12 000 x 2400 mm
Number of operators on the machine	2
Key features	Continuous processing, retained freshness of raw product





**FRUITS /
VEGETABLES**

Processing systems

Large Fruit and Vegetable Washing Machine



Adjustable angle for higher quality washing

See more:



APPLICATION

The product is placed in a bath. When the equipment is turned on, the washer moves the product to the side of the table while washing it. When the door is opened (if necessary) the product is spread on the table or, if necessary, the operator can manually wash the product with brushes. On the table, the operator performs a visual inspection of the product and, if necessary, washes it. From the table, the product is fed to the next machine.

TECHNICAL CHARACTERISTICS

Product	Pumpkins, watermelon and others
Capacity	Up to 60 pieces per hour
Equipment dimension (LxWxH)	3576 x 1490 x 2060 mm
Number of operators on the machine	0-1
Key features	Adaptable, effectiveness, repeatability



Processing systems

Large Fruit and Vegetable Peeling Machine



Easily washable design

See more:



Processing capacity*
Large fruit and vegetable peeling machine

Max weight

12 kg or Ø500mm Up to 60 units / h

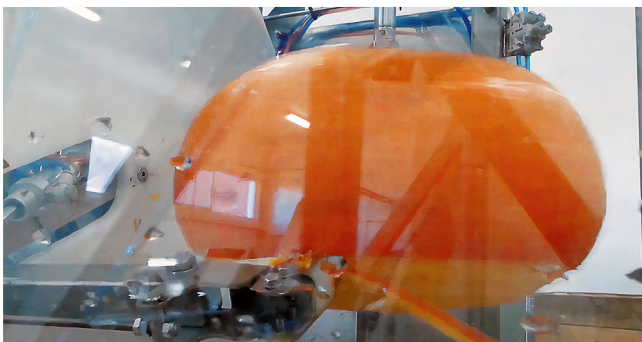
* Equipment is adaptable to various size and weight dimensions

APPLICATION

Large vegetable peeling machine is designed as high capacity vegetable peeler. Equipment can process up to 60 pumpkins per hour. Machine can be adjusted to different kind of vegetables.

TECHNICAL CHARACTERISTICS

Product	Pumpkins & other large vegetables
Capacity	Up to 60 products per hour
Equipment dimension (LxWxH)	1040 x 1016 x 2223 mm
Number of operators on the machine	From 0 up to 1
Key features	User friendly interface, easy to add new kinds of product units



Processing systems

Large Fruit and Vegetable Slicing Machine

High production rate



See more:



APPLICATION

Fruit and vegetable slicing machine is designed as high production rate solution for fast slicing of products into precise slices.

TECHNICAL CHARACTERISTICS

Product	Pumpkins, watermelon and others
Capacity	Up to 60 pieces per hour
Equipment dimension (LxWxH)	2800 x 1230 x 1040 mm
Number of operators on the machine	1
Key features	Adaptable, effective, repeatable



Processing systems

Vegetable Slicer S-9A



**58
cutter
knives**

See more:



Processing capacity*
Vegetable slicer S-9A

Types of vegetables

Various vegetables

Up to 120 pockets / min

* Equipment is adaptable to various size and weight dimensions

APPLICATION

Vegetable Slicer S-9A is designed for effective cutting of various vegetable products in precise pieces.

TECHNICAL CHARACTERISTICS

Product	Vegetables (Rhubarb, cucumber, etc.)
Belt speed	Up to 120 pockets per minute
Equipment dimension (LxWxH)	2540 x 1310 x 1410 mm
Number of operators on the machine	From 0 up to 1
Key features	Adaptable, effective, repeatable



Processing systems

Mixing Tank



Food contact compliant materials

See more:



Processing capacity*
Steam heated stainless container

Amount

650 liters

Depends on your recipe

* Equipment is adaptable to various size and weight dimensions

APPLICATION

Steam heated stainless container is designed for mixing the product mass throughout tank volume while heating it to required temperature 80—100 degree Celsius. The mixer has the ability to change the rotation speed and direction.

TECHNICAL CHARACTERISTICS

Product	Cabbages, tomatoes, carrots, etc.
Tank volume	Full: 835 l; effective: 650 l
Steam pressure in steam system	Max 2,5 bar
Equipment dimension (LxWxH)	1280 x 2000 x 2080 mm
Number of operators on the machine	1-2
Key features	Adaptable, effective, repeatable



Processing systems

Volumetric Packing Machine

Consistent
portion sizes
and packaging
volumes



APPLICATION

Volumetric Packaging Machine automates the filling process by accurately dispensing a predetermined volume of product into containers or packaging. This ensures consistency and efficiency in packaging operations. This technology is particularly valuable for companies seeking to optimize production speed, minimize product waste, and maintain uniformity in their packaged goods.

TECHNICAL CHARACTERISTICS

Packing speed of automatic mode	Up to 15 cycles/min
Packaging size	Adjustable for client
Collection and accumulation of the liquid fraction	Yes
Electric power	Max 9.0 kW, 3 f, 380 V





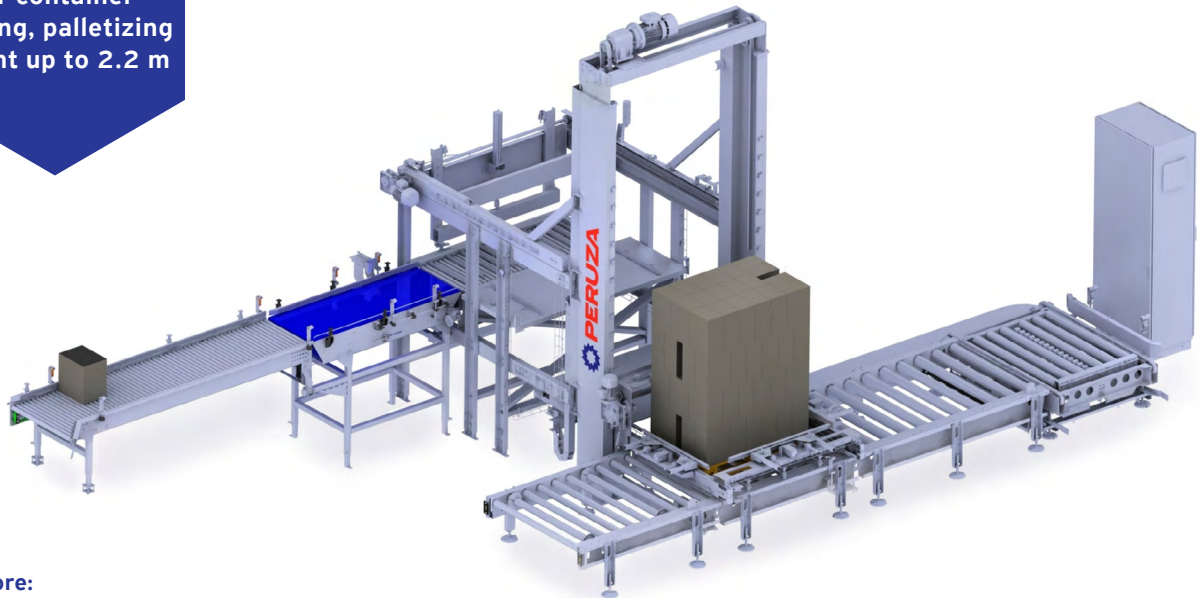
PACKAGING AND PALLETIZING



Processing systems

High Speed Palletizer

Perfect
for container
loading, palletizing
height up to 2.2 m



See more:

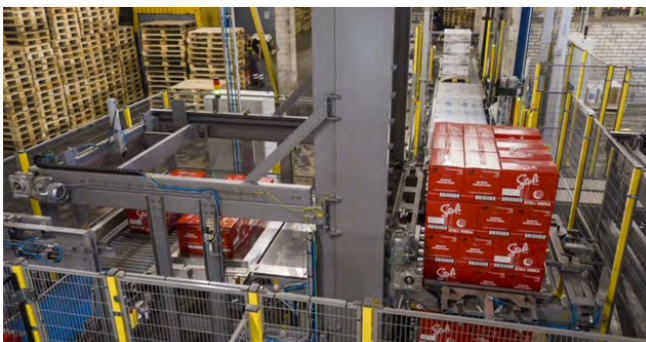


APPLICATION

Experience unparalleled efficiency with our cutting-edge palletizing equipment. Swiftly palletize diverse transport packaging like boxes with high-speed precision. Effortlessly construct nearly any layer configuration and expertly arrange items onto pallets. Our user-friendly machine empowers customers to easily operate and customize. Elevate your productivity with our advanced palletizing solution.

TECHNICAL CHARACTERISTICS

Product	Packages, boxes and others
Processing capacity	Up to 30 boxes per minute
Size of processed boxes	Depends on client needs
Equipment dimension (LxWxH)	Adjustable by needs and available workspace
Number of operators on the machine	0-1
Power consumption	Up to 15 kW



Processing systems

Reduced Giveaway Line



Can be connected to most of traysealers or thermoformers

See more:



Processing capacity*
Reduced giveaway line

50 – 1000 g

Up to 120 products / min (2 lanes)

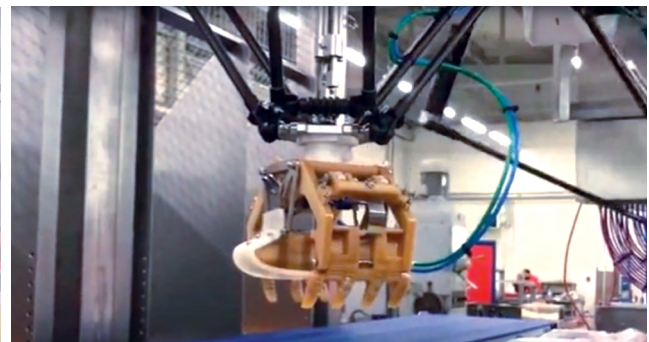
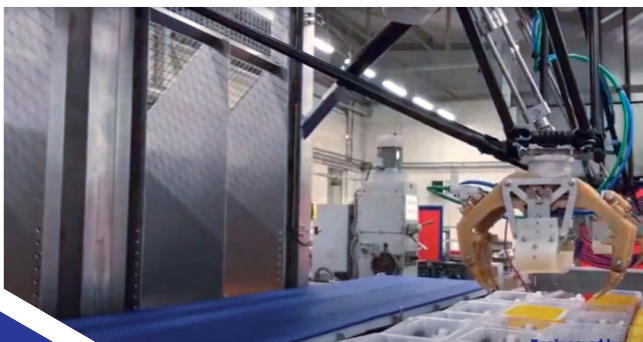
* Equipment is adaptable to various size and weight dimensions

APPLICATION

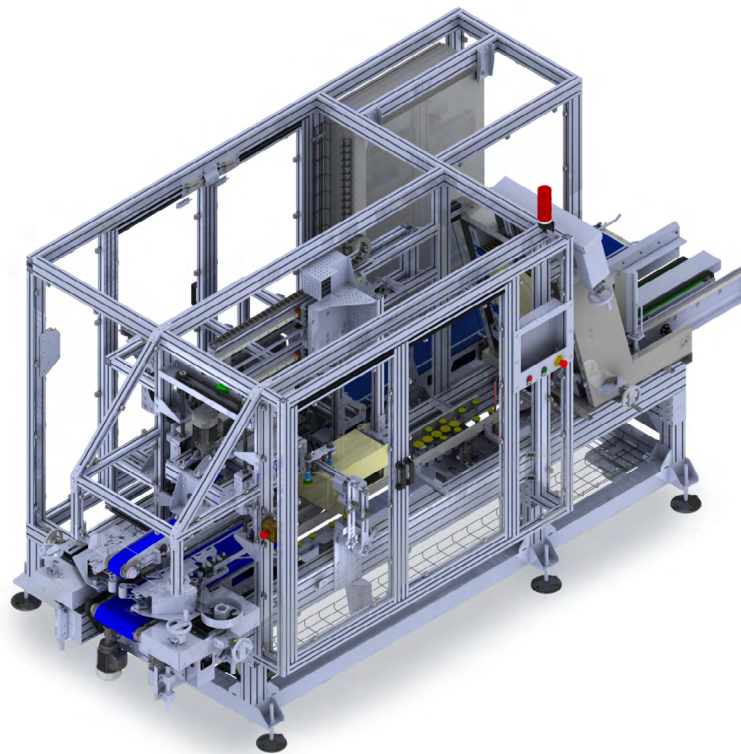
Reduced giveaway line is designed for raw product automatic insertion into plastic trays, thermoformed packages or boxes by reaching specified final weight range. Reduced giveaway means increased profitability. Precise calculations reduce the giveaway of the product and increase the line capacity.

TECHNICAL CHARACTERISTICS

Product	Fresh or frozen meat, fish or vegetables products
Capacity	Up to 120 products per minute (60 per lane)
Equipment dimension (LxWxH)	6100 x 1750 x 2310 mm
End product weight accuracy	+/- 5 grams (depends on product type)
Combination amount in robot working zone	32 tray combinations
Key features	Precision, repeatability, speed



Automated
box forming
process



APPLICATION

Side loader handles every step of the packaging process, from crafting the box to sealing it securely. Packs are seamlessly placed into the box from the side, which is especially crucial for products that cannot be accessed from the lid. Side Loader is designed to adapt to your specific requirements, allowing personalized combinations and pack counts inside the box tailored to your needs.

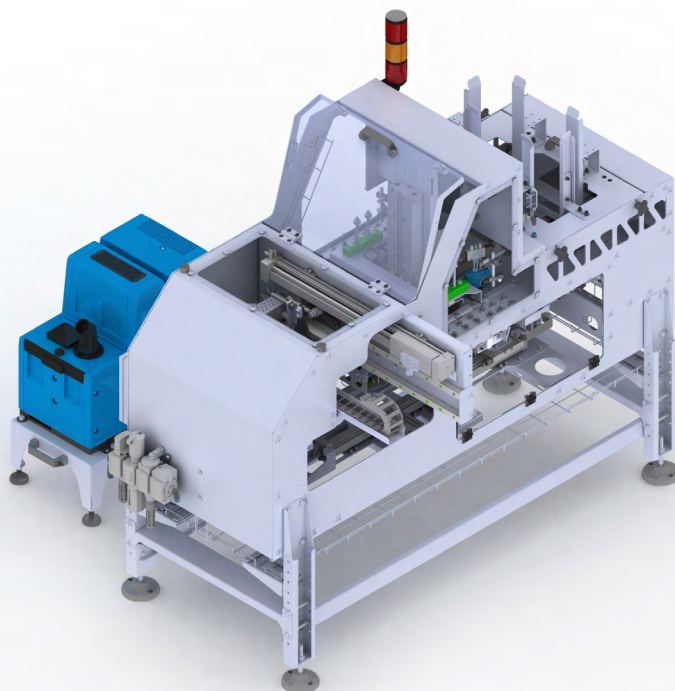
TECHNICAL CHARACTERISTICS

Processing capacity	Up to 40 packs/ min
Product	Packages, jars, cans and others
Size of processed boxes	Depends on client needs
Equipment dimension	Adjustable by needs and available workspace



Processing systems

Hot Glue Tray Former



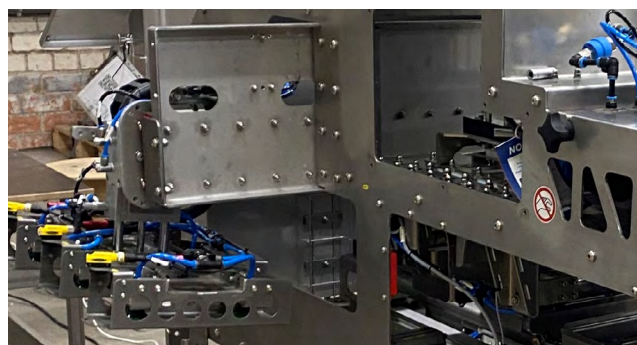
Maximum
capacity of
40 packs per
minute

APPLICATION

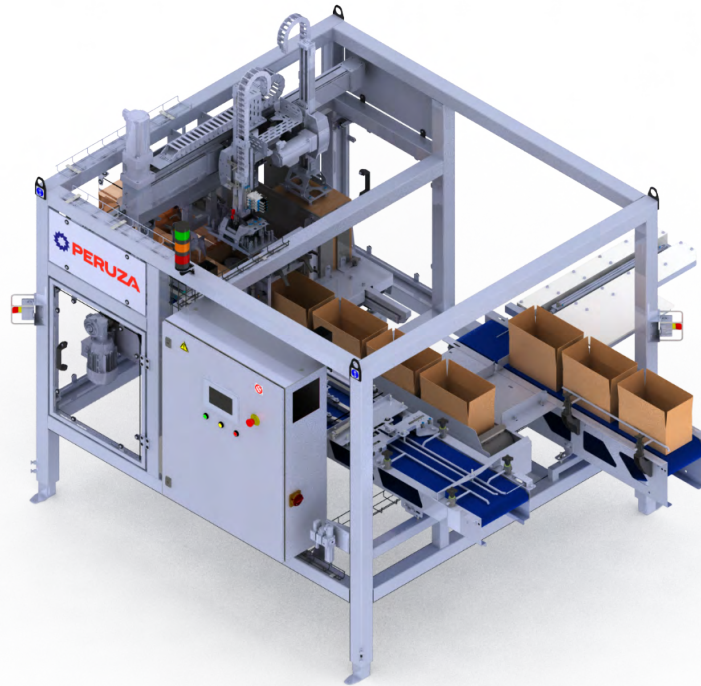
Cardboard box folding machine meant for efficient and precise formation of boxes used in packaging various products. By strategically applying hot glue and shaping the material, the machine creates boxes that provide stability and protection for products during transportation and handling.

TECHNICAL CHARACTERISTICS

Speed	9 boxes/min
Required compressed air	Min 6 bar
Compressed air consumption	20 L per cycle
Dimensions (H; L; W)	1628x2450x1027 mm



Adaptable
layout from
2x4 to 4x5
products



See more:

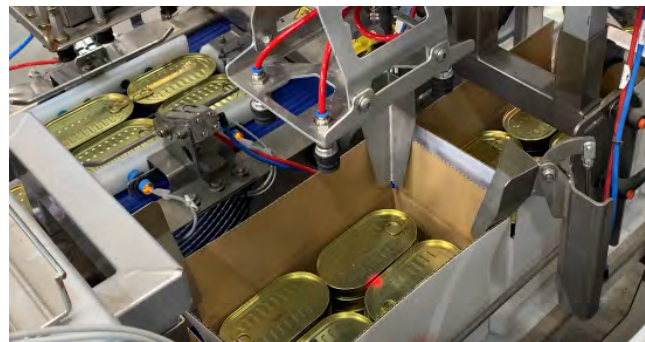


APPLICATION

Case packer is designed for packaging products in case in factories with high-speed production lines. Equipment is designed by requested product specification. This system can be used as side case packer and also top case packer depending on the product and packaging type.

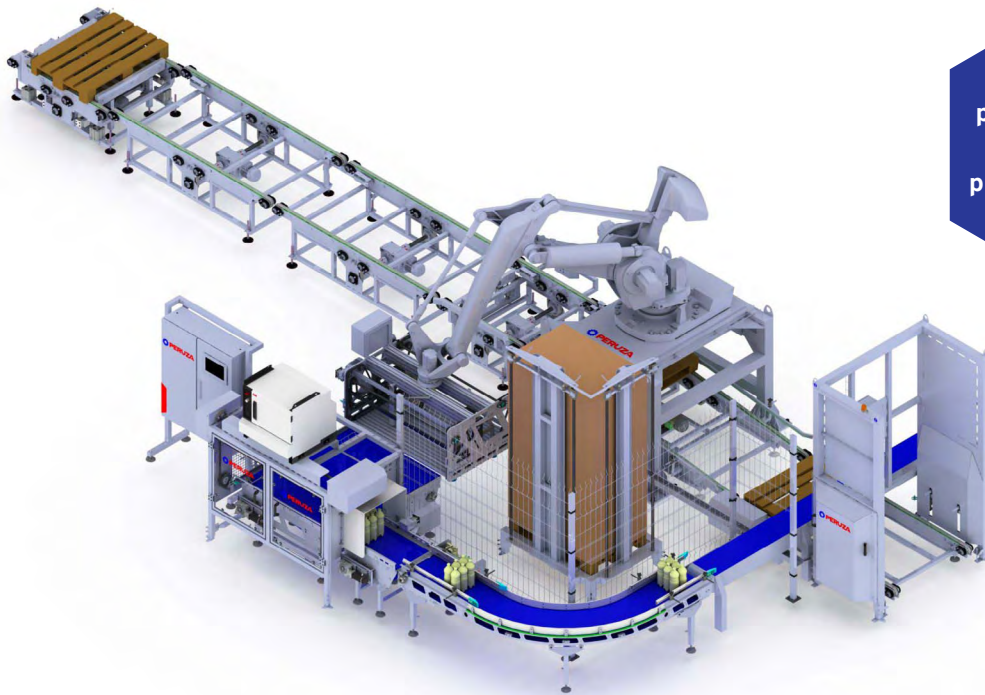
TECHNICAL CHARACTERISTICS

Product material	Metal, plastic, glass
Processing capacity	Up to 600 p/min
Cycle time	Up to 2.5 seconds (depending on the product)
Product dimensions	300 ... 620 x 200 ... 400 x 220 ... 420 mm
Machine dimension	3400 x 2850 x 2200 mm
Key features	Fast, reliable, adaptable for customer product



Processing systems

Full Layer Palletizer



Line is pre-programmed with necessary product types and variations

See more:



Processing capacity

Full layer palletizer

Small bottles & packages	60 or more units / min
Medium sized packages & boxes	20 – 60 units / min
Large boxes & packages	1 – 20 units / min

APPLICATION

PERUZA Full layer palletizer is designed to prepare and palletize a full layer in a fast and delicate manner. Full layer palletizer takes care of different kind of products, starting with small bottles or packages and ending with large boxes or thermoform packages. It can be equipped with quality inspection for incoming products and smart plastic or cardboard separator sheet feeding unit.

TECHNICAL CHARACTERISTICS

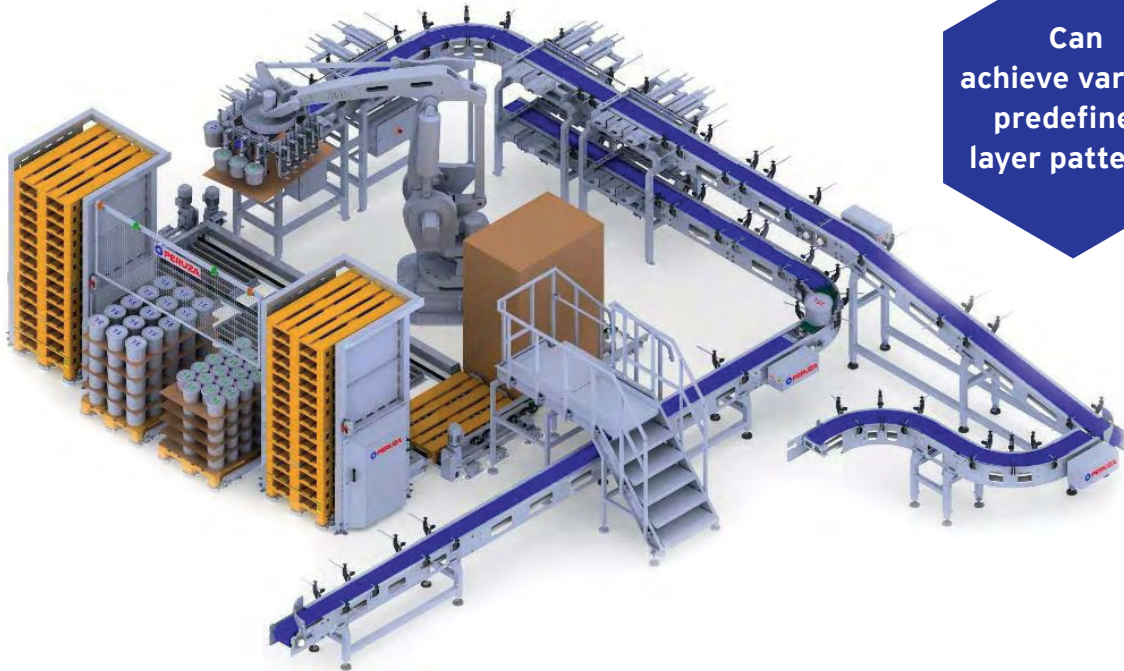
Product	Bottles, packages, boxes and others
Capacity	3 layers per minute
Size of processed product	Depends on client product
Equipment dimension (LxWxH)	Adjustable by needs and available workspace
Number of operators on the machine	From 0 up to 1



Processing systems

Bucket Palletizer

Can achieve various predefined layer patterns



See more:



Processing capacity
Robot palletizer

Small buckets	Up to 500 units / min
Medium buckets	Up to 300 units / min
Large glass	Up to 100 units / min

APPLICATION

Palletizer robot is designed as high-capacity bucket palletizing. Equipment can process up to 500 units per minute. Palletizer robot can handle various dimension buckets. Equipment is used for various size carton, glass, plastic palletizing purposes.

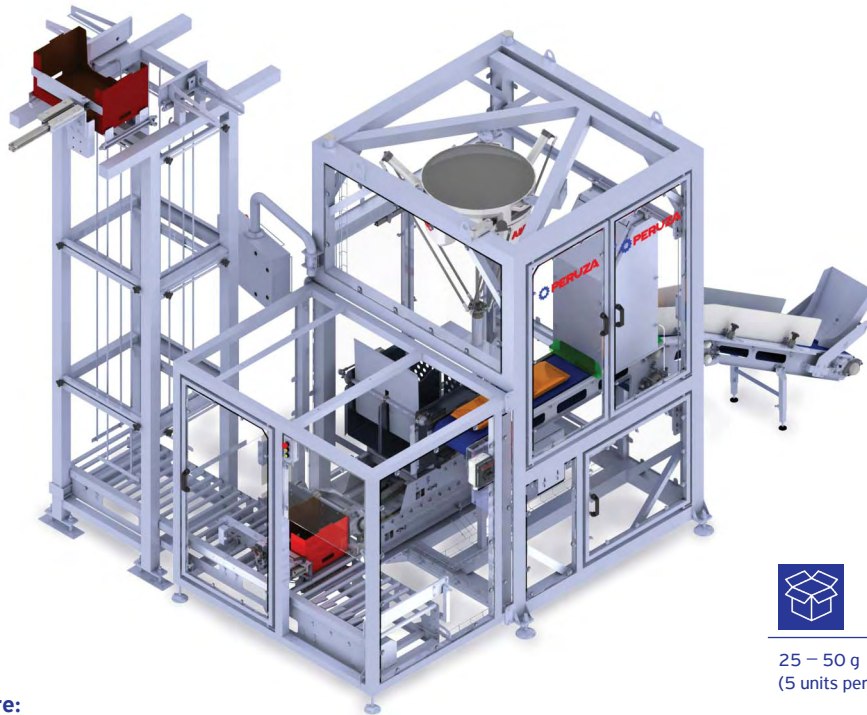
TECHNICAL CHARACTERISTICS

Product	Plastic buckets
Capacity	Up to 500 units per minute
Size of processed product	Depends on client needs
Equipment dimension (LxWxH)	Adjustable by needs and available workspace
Number of operators on the machine	From 0 up to 1
Key features	User friendly interface, easy to add new kinds of product units



Processing systems

Robot Packing Solution for Flowpacks



One machine replaces 2 - 3 manual processing specialists

See more:



Processing capacity*

Robot packing solution for flowpacks

25 – 50 g (5 units per 1 pick)	Up to 300 units / min
60 – 75 g (4 units per 1 pick)	Up to 240 units / min
100 – 300 g (3 units per 1 pick)	Up to 180 units / min

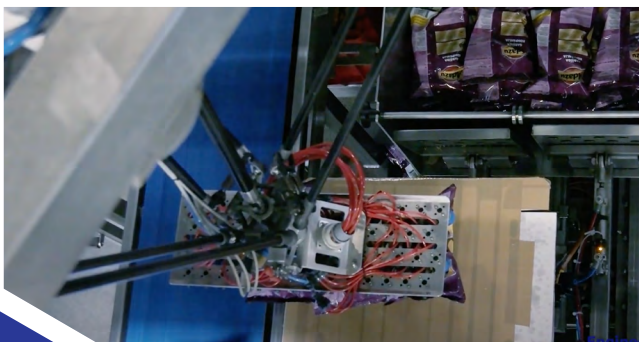
* Equipment is adaptable to various size and weight dimensions

APPLICATION

Robot packer is designed as high capacity various product packaging equipment. Equipment can process up to 140 packages per minute. Robot packer can handle various dimension packages. Robot packer is used for various size carton, glass, plastic packaging purposes.

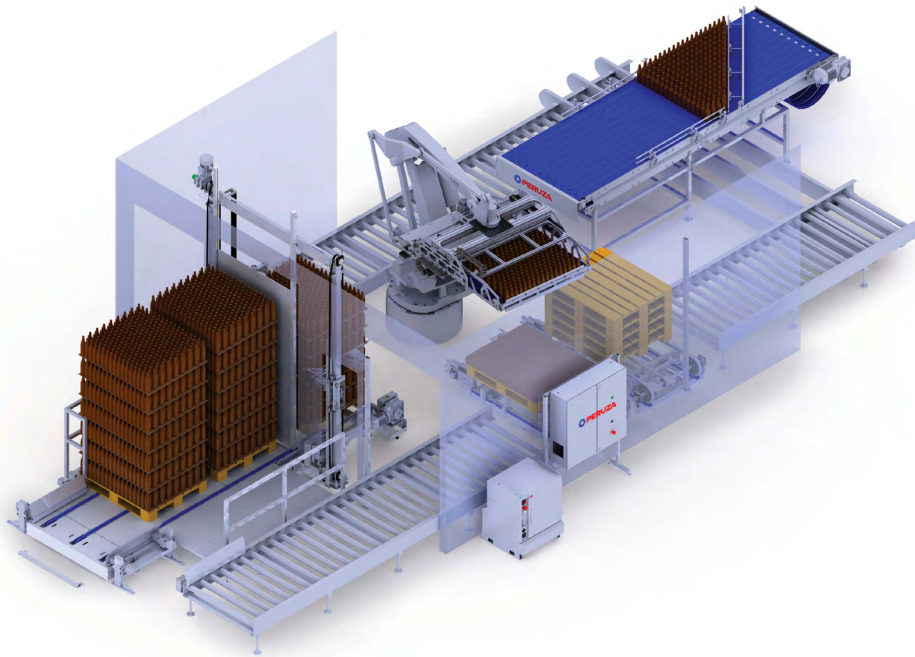
TECHNICAL CHARACTERISTICS

Product	Bottles, trays, cases, etc.
Capacity	Up to 60 picks per minute
Equipment dimension (LxWxH)	Depends on available space
Number of operators on the machine	From 0 up to 1
Key features	Adaptable, effectiveness, repeatability



Processing systems

Glass Bottle and Jar Depalletizer



Only one operator can depalletize up to 500 units / min

See more:



Processing capacity*
Robot depalletizer

Small jars or bottles	Up to 500 units / min
Medium jars or bottles	Up to 300 units / min
Large jars or bottles	Up to 100 units / min

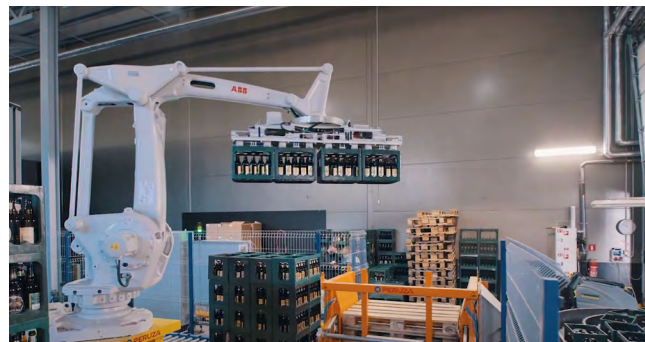
* Equipment is adaptable to various size and weight dimensions

APPLICATION

Depalletizer robot is designed as high capacity various product depalletizing. Equipment can process up to 500 units per minute. Depalletizer robot can handle various dimension packages. Depalletizer robot is used for various size carton, glass, plastic depalletizing purposes.

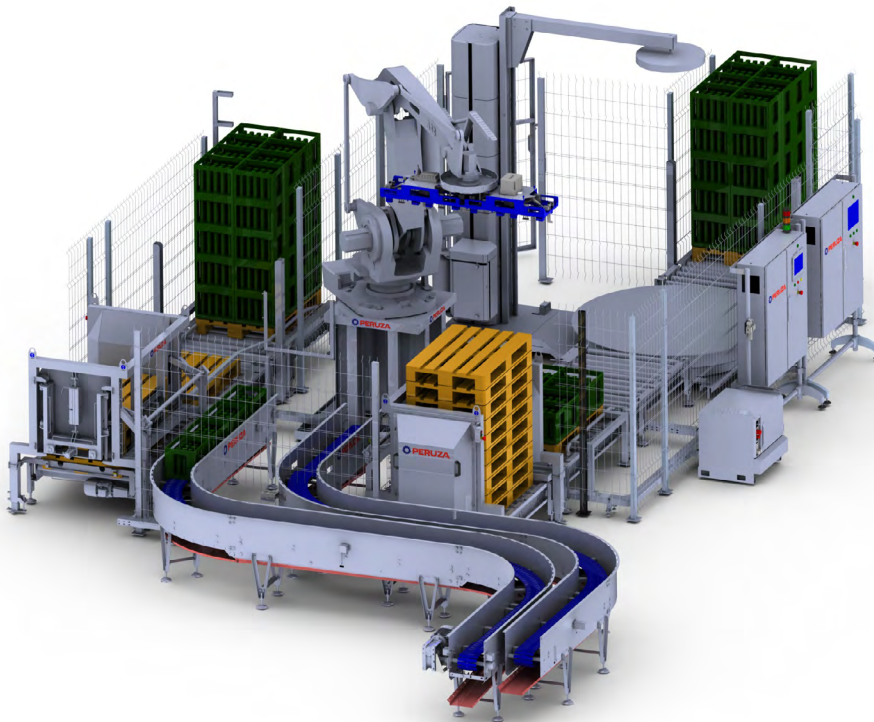
TECHNICAL CHARACTERISTICS

Product	Glass bottles and jars
Capacity	Up to 500 units per minute
Size of processed product	Depends on client product
Equipment dimension (LxWxH)	Adjustable by needs and available workspace
Number of operators on the machine	From 0 up to 1
Key features	Time efficient, easy addable new kinds of units



Processing systems

Plastic Crate Palletizing and Depalleting System



Modular system layout for various products

See more:



Processing capacity*

Plastic crate palletizing and depalleting system

Plastic crates

Up to 12 crates/min

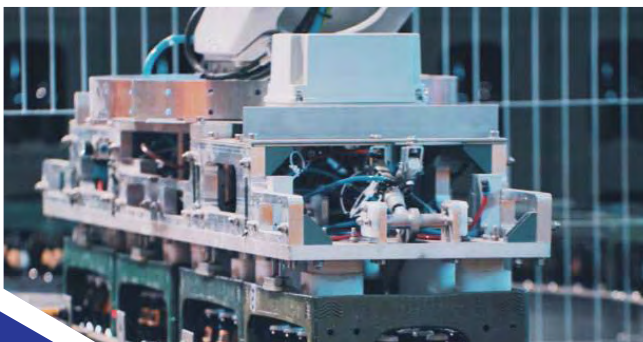
* Equipment is adaptable to various size and weight dimensions

APPLICATION

PERUZA automated warehouse solutions provides 2 in 1 system for palletizing and depalletizing plastic crates can contain various products including glass bottles, different packages or even raw fruits. Our designed unique gripper can be modified for your specific needs.

TECHNICAL CHARACTERISTICS

Product	Plastic crates
Capacity	Up to 12 crates/min
Crates per pick-up	1 - 4 crates
Payload	Max 70 kg
Equipment dimensions	Depending on the layout and chosen options
Key features	Modular, reliable, adaptable for customer product

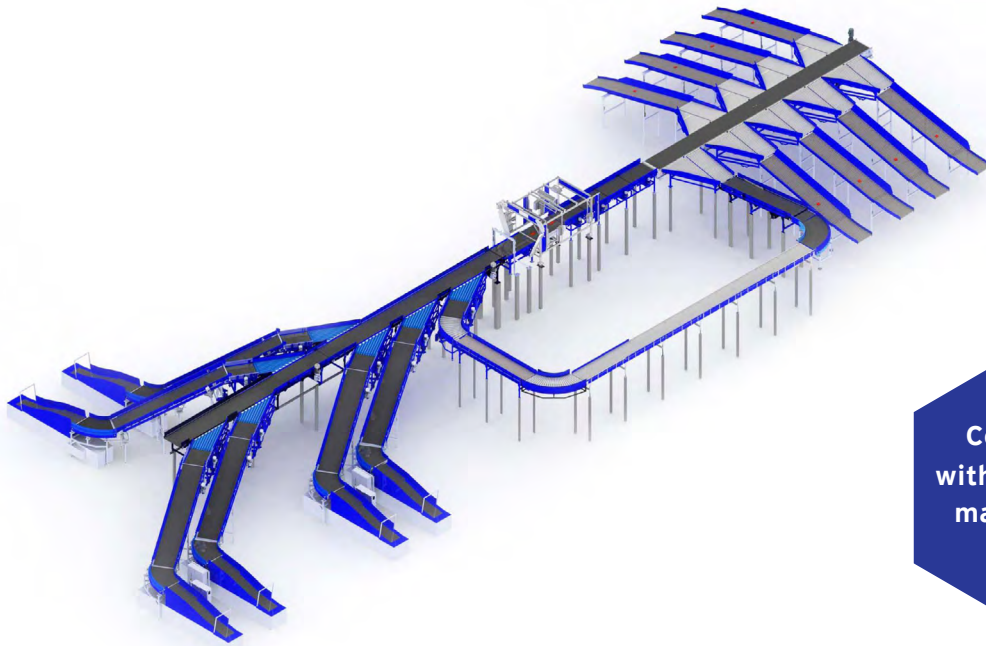




WAREHOUSING / PARCEL SERVICE

Processing systems

Wide Range Parcel Sorting Line



Compatible with warehouse management systems

See more:



Processing capacity
Wide range parcel sorting line

0.1 – 30 kg

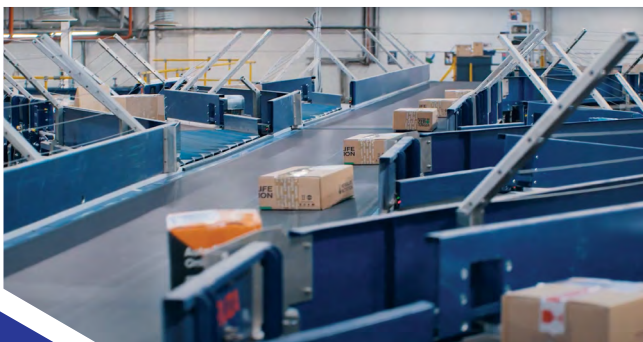
Up to 5000 parcels / h

APPLICATION

PERUZA Wide range parcel sorting line can handle packages from 0.1 kg till 50 kg on one line. Can be widely used by posts, delivery service, e-commerce and various product warehouses. Trace every parcel from truck to warehouse shelf and from shelf to delivery truck. Measure, weigh, take picture, assign address to each parcel. Available integration with click and collect systems makes PERUZA products as perfect solution for fulfilment centers.

TECHNICAL CHARACTERISTICS

Product	Various shape and size parcels
Processing capacity	Up to 5000 parcels per hour
Parcel weight range	0.1 – 30 kilograms
Parcel size range	100 x 100 x 100 - 800 x 400 x 400 mm
Weighing accuracy	+/- 50 grams (depends on chosen scanner)
Key features	High versatility, repeatability, speed



Processing systems

Belt Conveyors



Easily integrated with other automated systems

APPLICATION

Belt conveyors are extensively used in manufacturing plants to move raw materials, components and finished products between different stages of production. Belt conveyors streamline material handling, reduce manual labor, and optimize logistics operations across various industries.

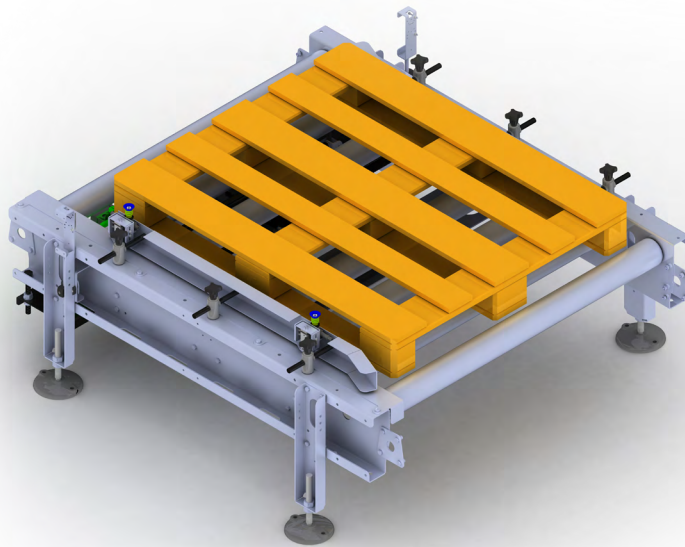
TECHNICAL CHARACTERISTICS

Conveyor belt type	Rubber tape, plastic modular tape, plate chain, and other
Belt widths	From 50 to 3000 mm
Conveyor nominal speed	From 0,05 to 3000 m/s
Angle of inclination	From 0 to 50 degrees
Construction material	Black painted metal, black galvanized metal, AISI 304, AISI 316
Equipment protection class IP	IP44, IP65, and other
Options	Shelves for lifting the product, sensors for product control, gates for diversion, lifting of the conveyor belt for washing and other



Processing systems

Pallet Conveyor



Continuous flow of pallets through the facility

APPLICATION

Pallet conveyors are designed to move pallets along a predetermined path, facilitating processes such as loading/unloading, sorting, and storage. Pallet conveyors help optimize logistics operations by streamlining material flow, reducing manual labor, and improving productivity. Pallet conveyors are particularly valuable in industries with high-volume pallet handling requirements.

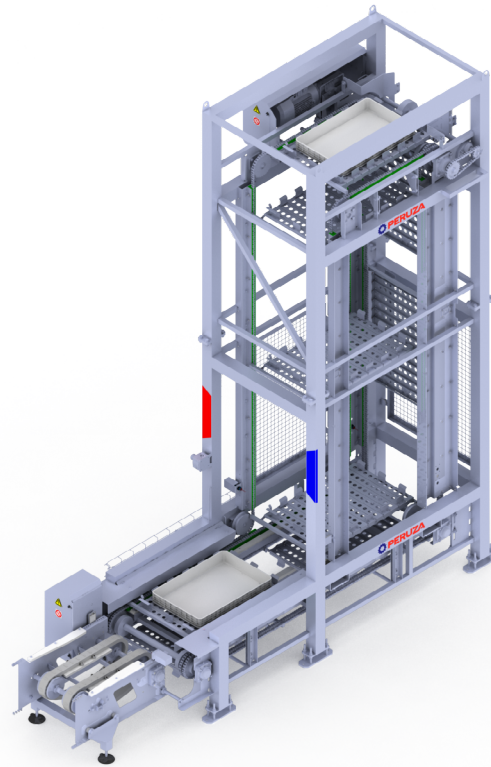
TECHNICAL CHARACTERISTICS

Types of supported pallets	EUR EPAL, EUR Light, Industrial, FIN, and others
Conveyor type	Rollers, chains
Conveyor widths	From 800 to 1500 mm
Conveyor speeds	From 0.05 to 800 m/s
Construction material	Black painted metal, black galvanized metal, AISI 304, AISI 316
Equipment protection class IP	IP44, IP65
Options	Sensors for pallet detection, Brake clamps for locking pallets, Side guides, and others



Processing systems

Continuous Vertical Elevator



Speed
up to
2.500 units
per hour

See more:



APPLICATION

Continuous vertical loading elevators are used for the high frequency, synchronised transportation of trays, cans, boxes, crates, containers, tins, packs, buckets or bundles of products. Depending on the type and dimensions of the material to be loaded. Equipped with one or more loading / discharge stations, they provide horizontal, vertical and diagonal transportation.

TECHNICAL CHARACTERISTICS

Product	Trays, cans, boxes, crates, containers, tins, packs, buckets and bundles
Maximum payload	25 kg
Speed	Up to 2.500 units per hour
Material used in construction	Stainless steel AISI 304, or powder coated steel
Product infeed	Synchronized
Product outfeed	Automatic
Key features	High speed, smooth and uninterrupted transportation process



Processing systems

Pallet Stacker and Destacker



Speed
up to 360
pallets/h

See more:



APPLICATION

The Pallet Destacker is designed to separate pallets one by one from the stack of pallets and feed them to the next technological process. With reverse option to stack and place pallets one by one in a stack. Also, with option to stack and destack bins or containers.

TECHNICAL CHARACTERISTICS

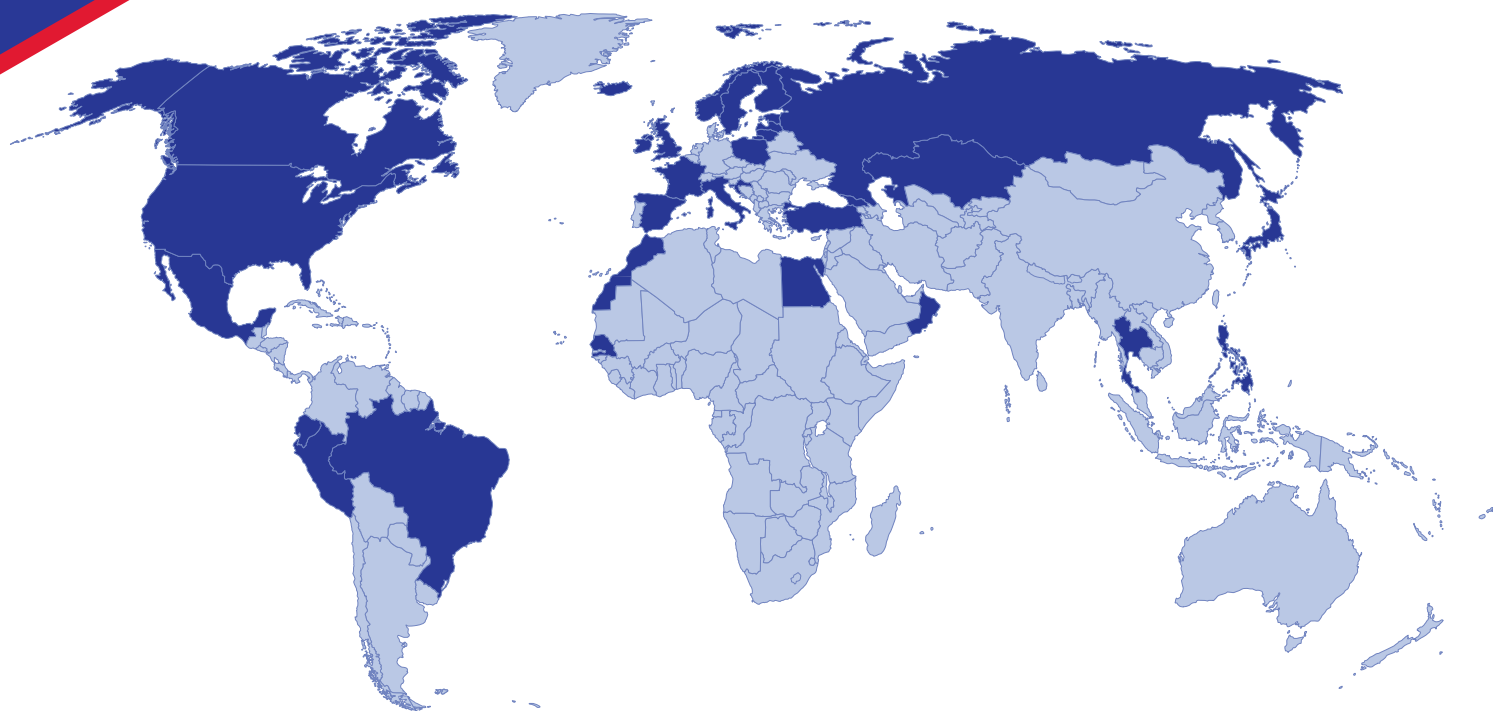
Maximum payload	Standard up to 700 kg, reinforced up to 1400 kg
Capacity	Up to 16 pallets
Speed	360 pallets/h
Material used in construction	Powder coated steel or Stainless steel (AISI 304)
Pallet type	Pallet 800 x 1200 mm (EUR-EPAL), Pallet 1000 x 1200 mm (FIN) EUR- Light, and other





PERUZA

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