



**Automated equipment
for **bakeries.** From oven
to packaging**



About us

We design our equipment to meet individual client needs and improve the bread production process, from baking to a packaged product ready to go on the shelves.



Over 30 years of experience

A team of engineers and specialists, experienced in designing equipment for the food production industry.



Flexibility

The equipment is designed according to the client's needs, taking into account the existing machinery and available space.



In-house manufacturing

This ensures professional and custom automation solutions.



Wide network of partners

We will take care of the installation and supply of spare parts in your country.



Content page

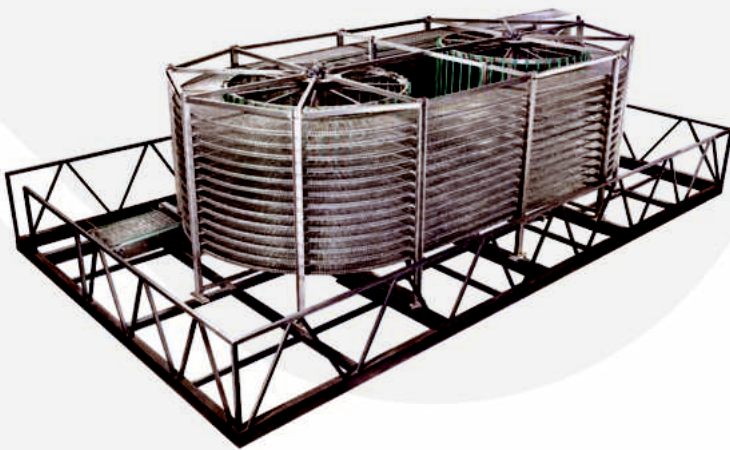
Cooling and transportation	02
Automatic bread slicing and packaging lines	04
Semi-automatic bread slicing and packaging lines	06
Industrial bread slicing machines	08
Reciprocating blade bread slicer	10
Compact bread packaging machine	11
Industrial bread packaging machines	12
Horizontal slicing machines with band blade	14
Horizontal cutting machine with disk blades	16
Bread chips slicer	17
Round bread slicer in halves	19
Baguette slicer	20
Intralogistics	21

Cooling and transportation

Custom made solutions for process automation. All systems are manufactured according to individual requirements (depending on production capacity, space, cooling/freezing time), considering the type and dimensions of products and other parameters.

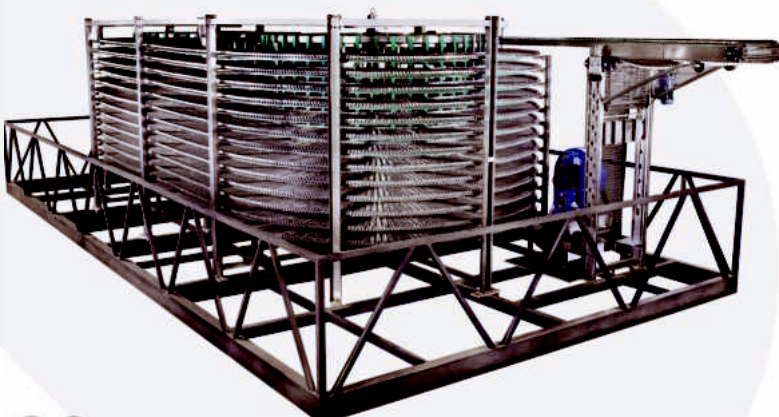
Cooling systems

Automated spiral cooling systems help to speed up the operation of line and extend the shelf life of bread products. Equipment is designed according to individual client needs. Possible integration with other production facilities: Automatic temperature and humidity control helps to maintain the useful characteristics of the product without losing the weight of the product.



Freezing systems

Spiral Freezing systems are used for baked and unbaked products freezing before packaging and distributing. Usually are using the method of product freezing when products are frozen until -20°C keeping a temperature in a chamber at -38°C . Systems are manufactured according to individual requirements (depending on production capacity, space, and freezing time), considering type and dimensions of products and other parameters.



Transportation and guiding systems



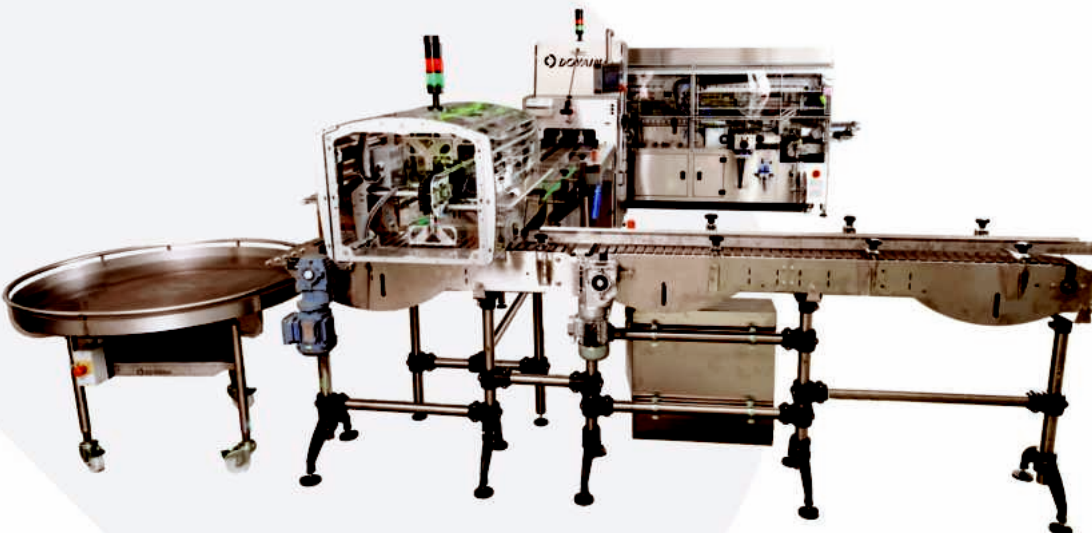
Product sorting and guiding systems are designed for smooth products guiding to slicing and/or packaging lines, spiral coolers, and freezing systems. All systems of sorting and guiding are manufactured according to individual requirements (depending on production capacity, space, cooling/freezing time), considering the type and dimensions of products and other parameters.



Food conveyors



Conveyors and product handling systems are designed for smooth and efficient product transporting in production areas. All systems of conveyors are manufactured according to individual requirements (depending on production capacity, space, cooling/freezing time), considering the type and dimensions of products and other parameters. Great experience and knowledge of DOVAINA improve products movement between manufacturing areas, especially for food production.



Automatic bread slicing and packaging lines



Fully automatic bread slicing and packaging lines are designed to slice and pack different types of bread: toast bread, tin bread, artisan bread, round bread, rye bread, and oval bread. Each line has different parameters for different capacities but all of them are made for quick and efficient slicing and packing.

DPPL-55

Capacity

up to 55 pcs/min



Suitable products



Bread



Rye bread



Toast/tin bread



Round bread



- ✓ Unique blade lubrication and cleaning system (fog-free, non-contact)
- ✓ Half-turning mechanism allows slicing of different shapes of bread products

- ✓ Even suitable for slicing 100 % black rye bread
- ✓ Packaging of sliced and unsliced bread

DPPL-55 MUI

Capacity

up to 55 pcs/min



Suitable products



Bread



Rye bread



Toast/tin bread



Round bread

DPPL-70

Capacity

up to 70 pcs/min



Sealing



Clip band closing



Tape closing



Twist closing



Metal detector

✓ Bags are closed using a clip band, tape, or twist, Kwik-Lok® with or without sealing

✓ Option: integrated metal detector

✓ Option: date printing on the clip band (8, 11, or 16 symbols) using a thermal or inkjet printer

Semi-automatic bread slicing and packaging lines



Semi-automated production lines for continuous and smooth slicing and packaging of various types or shapes of bread.

DPP-30

Capacity

up to 30 pcs/min



Suitable products



Bread



Rye bread



Toast/tin bread



Round bread

- ✓ Unique blade lubrication and cleaning system (fog-free, non-contact)
- ✓ Even suitable for slicing 100 % black rye bread and scalded bread
- ✓ The slicer and the packaging machine can be operated separately

DPP-40

Capacity

up to 40 pcs/min



Suitable products



Bread



Rye bread



Toast/tin bread



Round bread

DPP-50/XL

Capacity

up to 50 pcs/min



Sealing



Clip band closing



Tape closing



Twist closing

✓ Bags are closed using a clip band, tape, or twist, with or without sealing

✓ Packaging into paper bags

✓ L, U, and Z configurations are available as required

Industrial bread slicing machines



Industrial bread slicers are designed to slice different types of bread: toast bread, tin bread, artisan bread, round bread, rye bread, and oval bread. Each bread cutter has different parameters for different capacities but all of them are made for quick and efficient slicing. Adjustable slicing and conveyor speeds, automatic blades lubrication system, and easy maintenance reduce labor costs and increase productivity for each bakery.

DP-35

Capacity

up to 35 pcs/min



Suitable products



Bread



Rye bread



Toast/tin bread



Round bread

DP-70 / XL

Capacity

up to 70 pcs/min



Suitable products



Bread



Rye bread



Toast/tin bread



Round bread

- ✓ High quality bread slicing machine for various types of bread
- ✓ Designed to slice bread products of different shapes and sizes
- ✓ Simple and quick adjustment for changing the type of bread to be sliced
- ✓ Equipped with band blades that significantly improve the efficiency of the machine, require fewer replacements, and deliver higher cut quality and precision
- ✓ Unique fog-free blade lubrication and contactless cleaning system
- ✓ Up to 5 times lower oil consumption thanks to the unique oil regeneration and filtration system
- ✓ The unique system of oil filtration and return reduces its costs up to 5 times
- ✓ Even suitable for slicing 100% black rye bread
- ✓ Adjustable speed of conveyor and band blades using frequency converters and servo motors
- ✓ Stainless steel design

Reciprocating blade bread slicer



DP-20 is an industrial bread slicer for slicing sweet bread products with a high sugar content, containing dried fruits or berries.

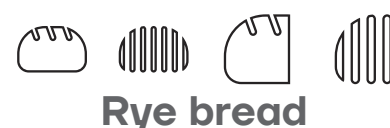
DP-20

Capacity

up to 20 pcs/min



Suitable products



- ✓ Bread slicer for various bread types and shapes
- ✓ Simple and quick adjustment for changing the type of bread to be sliced
- ✓ Reciprocating cutting blade assembly for slicing bread containing dried fruits
- ✓ Adjustable speed of conveyor and blades using a frequency converter

Compact packaging machine



Compact bread packaging and closing machine is designed to pack different types of bread. Designed for smallest bakeries.

DPK-150

Capacity

up to 25 pcs/min



Suitable products



Bread



Rye bread



Toast/tin bread



Round bread



Clip bandclosing



Other

- ✓ Bag closing types: clip band
- ✓ Halves or several small products can be packaged in one package
- ✓ Can be connected to any existing bread slicer
- ✓ Can be connected to the Z type conveyor
- ✓ Stainless steel design

Industrial bread packaging machines



Industrial bread packaging and closing machines are designed to pack different types of bread: toast bread, tin bread, artisan bread, round bread, rye bread, oval bread, hamburger buns, hot-dog buns, baguettes, pita, flat bread, etc. Each packaging machine has different parameters for different capacities but all of them are made for quick and efficient packaging and bag closing. Customers can choose the type of bag closing: clip band, tape, or twist tie.

DPK-230 Capacity

up to 40 pcs/min



Suitable products



Bread



Rye bread



Toast/tin bread



Round bread

✓ Bag closing types: clip band, tape or twist

✓ Adjustable bag closing height

✓ Easy and quick adjustment (less than 1 min) when changing the type of bread

✓ Option: packaging into paper bags

DPK-300

Capacity

up to 40 pcs/min



Suitable products



Bread



Rye bread



Toast/tin bread



Round bread



DPK-335 / XL

Capacity

up to 50 pcs/min



Clip band closing



Tape closing



Twist closing



Sealing



Other

✓ Option: integrated bag sealing

✓ Option: labeling machine

✓ Option: date printing on the clip band (8, 11, or 16 symbols) using a thermal or inkjet printer

✓ Option: integrated metal detector

Horizontal slicing machines with band blade



Horizontal slicing machines BDP are high-speed bread slicers designed to cut sponge cakes or buns horizontally into two, three, or more parts.

BDP-400

Capacity

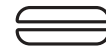
up to 60 pcs/min



Suitable products



Hamburger bun



Baguette, "hot dog"
type bun

Cuts: 1

BDP-450

Capacity

up to 60 pcs/min



Cuts: 2-4

- ✓ Fast and simple cutting blade height adjustment
- ✓ Adjustable speed of conveyor and blades using frequency converter

- ✓ Simple and easy maintenance
- ✓ Belts and other surfaces are certified for direct contact with food products

BDP-500

Capacity

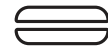
up to 70 pcs/min



Suitable products



Hamburger bun



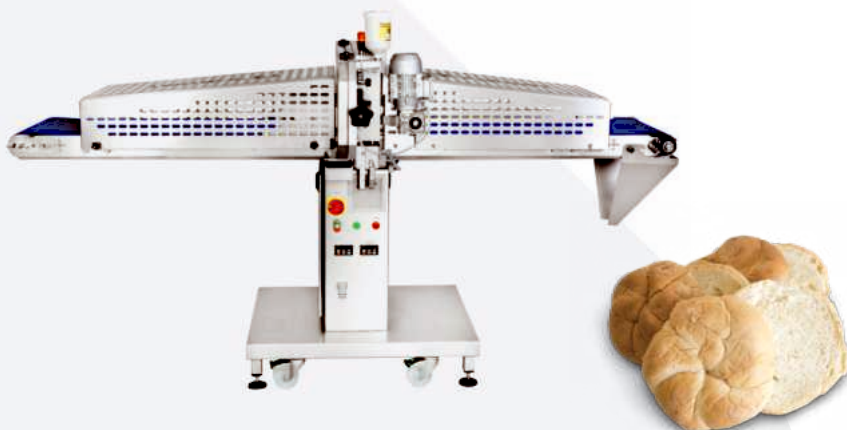
Baguette, "hot dog"
type bun

Cuts: 1

BDP-1000

Capacity

up to 120 pcs/min



- ✓ Stainless steel design
- ✓ Option: band blade lubrication system

- ✓ Option: additional guides for stable product movement
- ✓ Option: integration into semi-automatic and automatic lines

Horizontal cutting machine with disk blades



Horizontal cutting machines with disk blades — BDP-xD are professional bread slicers designed for horizontal partial cutting of baguettes, and hamburger, hot dog, and other buns. Manufactured to make two different cuts: a partial cut on one side, and a partial cut on both sides leaving a small uncut part in the middle.

Horizontal slicer BDP-2D-ANGLE is a fully automatic baguette slicer with adjustable band angle (0–45°), cutting depth, and disc rotation speed.

BDP-2D-500

Capacity

up to 100 pcs/min



Suitable products



Hamburger bun



**Baguette, "hot dog"
type bun**

Discs: 2

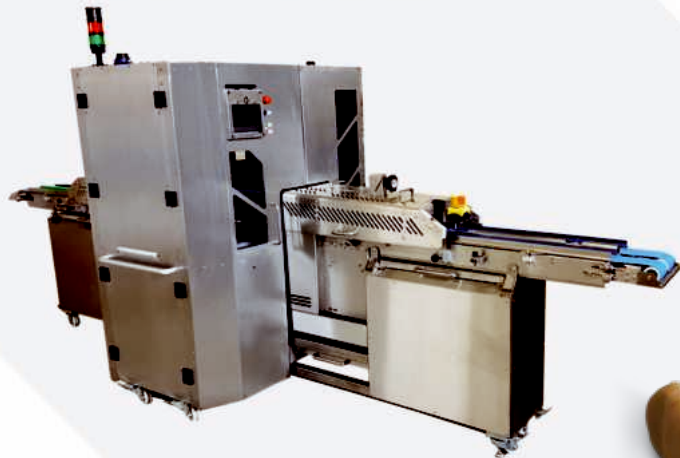
- ✓ Manufactured to make two different cuts: partial cut on one side, and partial cut on both sides
- ✓ Butterfly cut: horizontal cut from both sides of the product, leaving ~3 mm in the middle uncut

- ✓ Hinge cut: horizontal cut from one side, leaving approx. 2 mm on the other side uncut

BDP-2D-ANGLE

Capacity

up to 100 pcs/min



Suitable products



Hamburger bun



Baguette, "hot dog"
type bun

Cuts: 2

BDP-4D-700

Capacity

up to 250 pcs/min



Cuts: 4

- ✓ Butterfly cut leaves an aesthetic, almost invisible separation mark
- ✓ Adjustable speed of the conveyor and disk blades using the frequency converter
- ✓ Fast and simple adjustment of the cutting blade height and cutting depth
- ✓ Stainless steel design

Bread chips slicer



Bread chips slicer TP-60 is an automatic slicer designed to slice bread products into extra thin slices and arrange them on baking trays or conveyor belt for further processing.

TP-60

Capacity

up to 3 trays/min



Suitable products



Bread, baguette chips

Thickness of slices:

3-10 mm



- ✓ The slices are automatically arranged on baking trays or a conveyor belt. The slicer performs the work of up to 10 operators
- ✓ Blade lubrication and cleaning system (fog-free, non-contact)
- ✓ Unique blade lubrication system ensures excellent cutting quality even for 100 % rye bread
- ✓ The capacity with only two operators working on the machine is 3–4 trays/min (60 cuts/min, about 480 pcs./min, using 980×580 mm trays)
- ✓ Adjustable speed of conveyor and blades using a frequency converter
- ✓ Stainless steel design

Round bread slicer in halves



Round bread slicer in halves ADPP is a special slicer designed to cut round loaves in half.

ADPP

Capacity

up to 25 pcs/min

Suitable products



Round bread



- ✓ Even suitable for slicing 100 % black rye bread and scalded bread
- ✓ Single vertical band blade
- ✓ Split halves are rotated 90 degrees
- ✓ Simple and easy maintenance
- ✓ Stainless steel design

Baguette slicer



Baguette slicer BPI-100 is an industrial slicer for “Food To Go” or “Food On Foot” products. Can be equipped with complete sandwiches system: horizontal cutting, bun opening, sauce applicating, automatic packaging.

BPI-100

Capacity

up to 100 pcs/min



Suitable products



**Baguette, "hot dog"
type bun**



Intralogistics

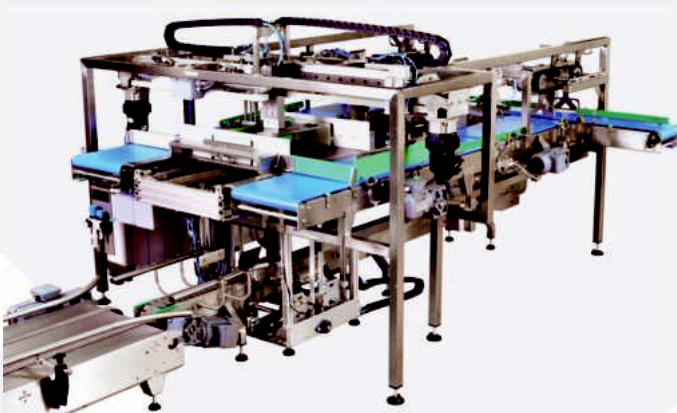
An integrated system of in-house logistics processes used to optimize the flow of products and to reduce the need for manual labour.

Post – packaging system

Capacity

up to 3300 pcs/h

Automated system of loading packaged products to crates to reduce manual handling. Products are loaded according to the pre-set patterns.

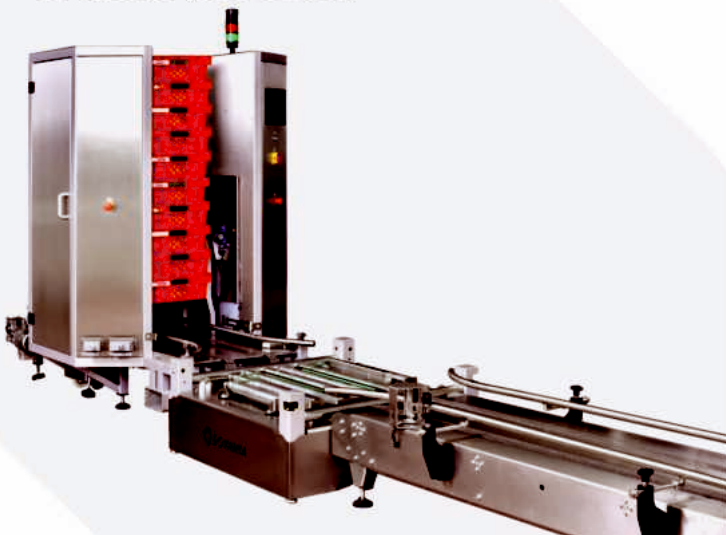


Crate stacker/destacker

Capacity

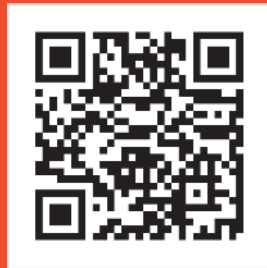
up to 500 pcs/h

Automated crate handling machine to reduce manual handling. The machine transports crates to the work areas, stacks them for storage, and de-stacks them from the storage area for further processing.





Let's talk about your production optimisation



**Dovaina, UAB
Uolės st. 16, 56341
Dovainonys, Lithuania**

**+370 346 46618
sales@dovaina.lt
www.dovaina.lt**

**Company code: 158859156
VAT number: LT588591515**