

Dinox
WASHING SOLUTIONS

general catalogue

TAILOR-MADE INDUSTRIAL
WASHING AND **DRYING** EQUIPMENT

Your solution in industrial hygiene

INDEX

It is increasingly important to bring the level of quality to all production areas.

Whatever the sector, here we propose some of our washing solutions depending on the product:

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HELLO!

Since our beginnings, we have offered specific customized industrial washing and drying solutions.

With more than 40 years of experience, we have answered to countless requests of customers from different sectors, always adapting our “ know-how” to specific needs.

We study, advise and design to be able to build equipment of high quality, durability and easy use.

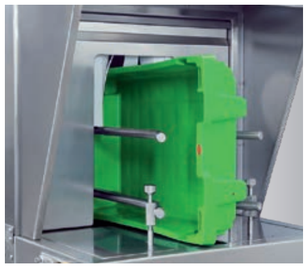
We can proudly say that we have found the balance between traditional construction and the incorporation of modern elements to save water and adapt to industry 4.0.

The detail will always be important !

WASHING AND DRYING CRATES AND TRAYS







WASHING AND DRYING CRATES AND TRAYS

We offer solutions for washing and drying all types of crates and trays for any sector. Any dirt will require adaptation to obtain good washing results.

Our tunnels adapt to different sizes, are robust and easy to handle.

Built in AISI-304 or AISI-316 stainless steel. The conception is important for proper functioning and subsequent use.

M-0

PRODUCTIONS **SMALL**
< 200 units/hour



Removable drawer filter
-
Drum filter



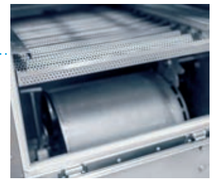
M-1 | M-2

PRODUCTIONS **SMALL**
< 400 units/hour

Manually
adjustable top
and/or side guides



Solid collecting tray
optional
-
Rotative filter



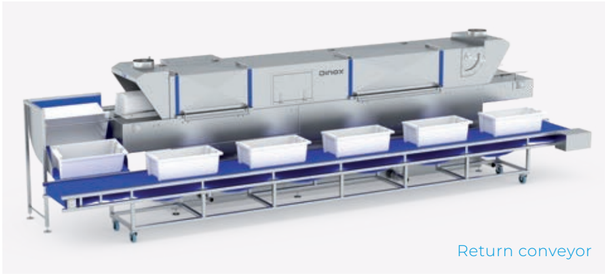
OPTIONAL ITEMS

Return ramps or conveyors, so that the tunnel can be used by a single operator.

Blowing area for a first removal of washing water.

Rinse water recovery in mod. M-2/L

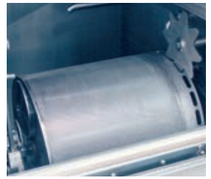
EconoSystem: rinse water saving system.



Return conveyor

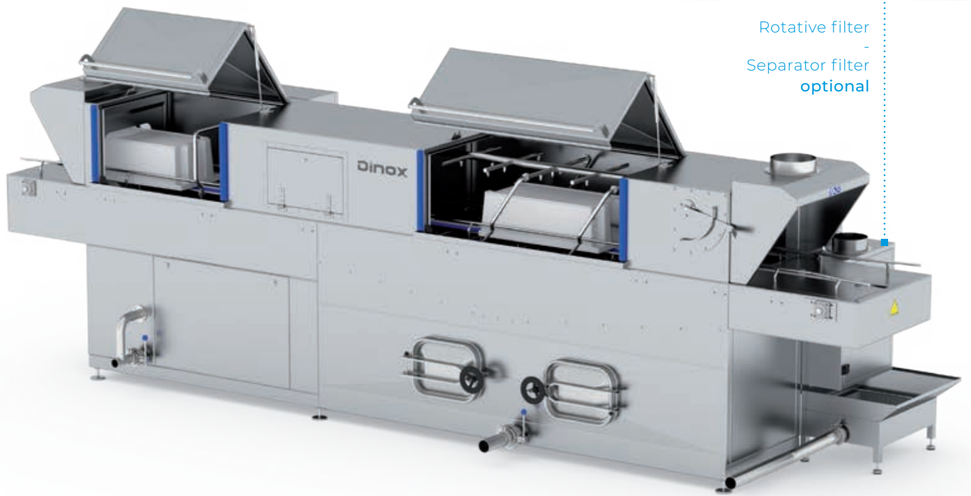
M-2/L

MEDIUM PRODUCTIONS
< 600 units/hour



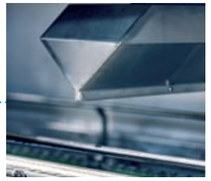


Rotative filter
-
Separator filter
optional



E-1

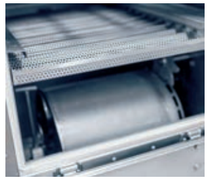
WASHING **CRATES AND TRAYS**
< 800 units/hour



Blowing for a first removal of water



Rotative filter
Separator filter **-optional-**





OPTIONAL ITEMS

1 or 2 washing lines

Rinsing and blowing water recovery systems

Additional blowing and drying modules.

Input and output automation with return conveyors, turners, destackers, stackers...

EconoSystem: rinse water saving system.

E-2

LARGE PRODUCTIONS
< 1200 units/hour



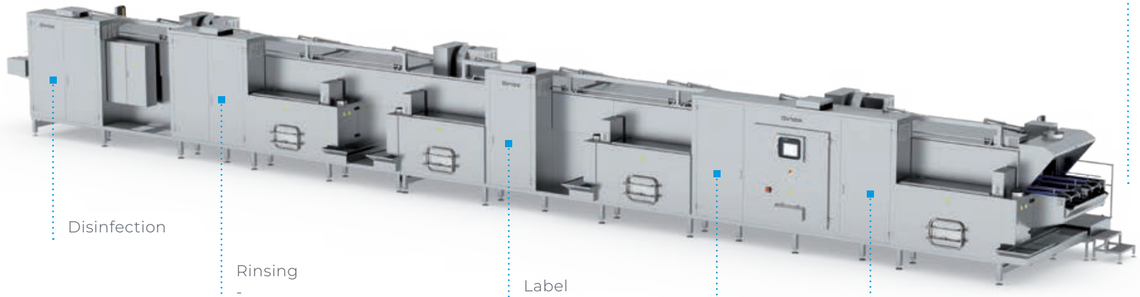
Rinsing
-
Rinse water recovery

Washing

Prewashing

E-3 | E-4

LARGE PRODUCTIONS
< 6000 units/hour



Disinfection

Rinsing
-
Rinse water recovery

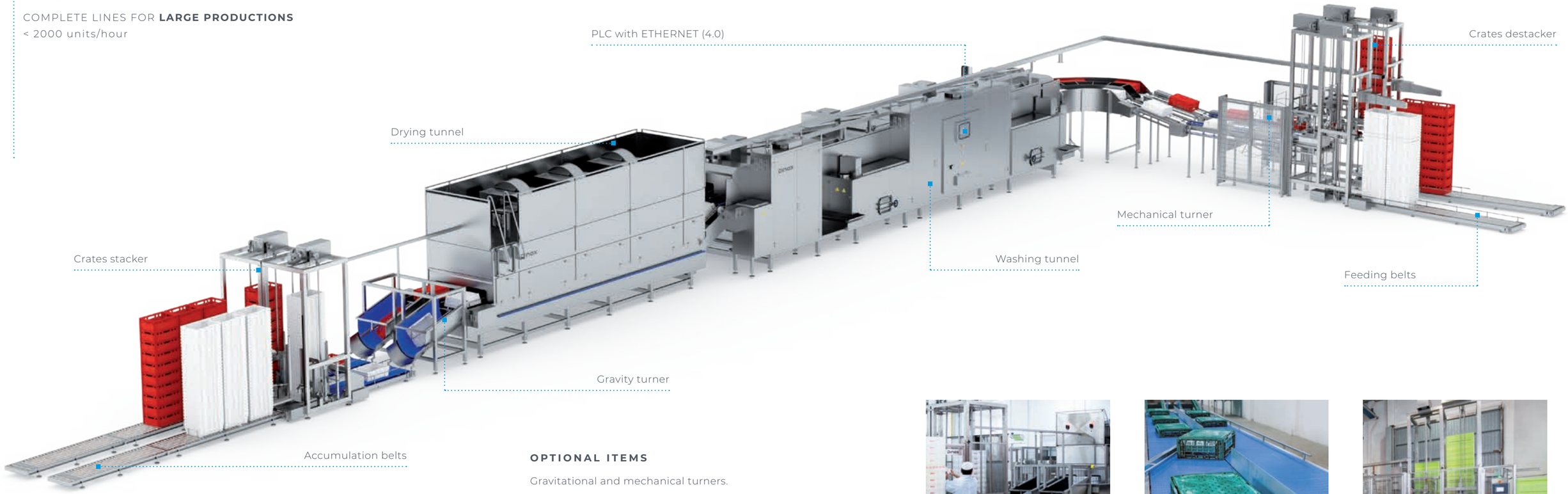
Label extraction

Washing

Prewashing

E-2/D+TSN-3/D

COMPLETE LINES FOR **LARGE PRODUCTIONS**
< 2000 units/hour



OPTIONAL ITEMS

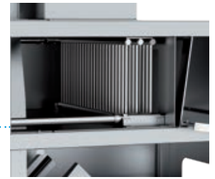
Gravitational and mechanical turners.
Destackers and stackers.
Feeding and accumulation belts.
Label extraction modules.
Curves and changes of direction in line.

TSN-2

MEDIUM PRODUCTIONS



Blowing air heating
optional



Foldable
suction filters



Solids collector
filter



OPTIONAL ITEMS

1 or 2 blowing/drying lines.

Blowing water recovery systems.

Additional modules, for a completely dry result.

Different blowing air heating systems.

TSN-3

LARGE PRODUCTIONS

Side, top and bottom blowers



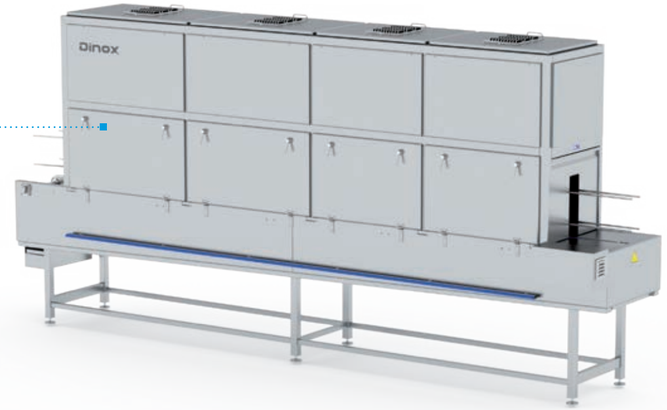


TS-4

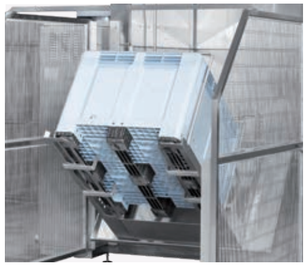
LARGE PRODUCTIONS

Side blowers





WASHING OF BINS AND CONTAINERS







WASHING OF BINS AND CONTAINERS

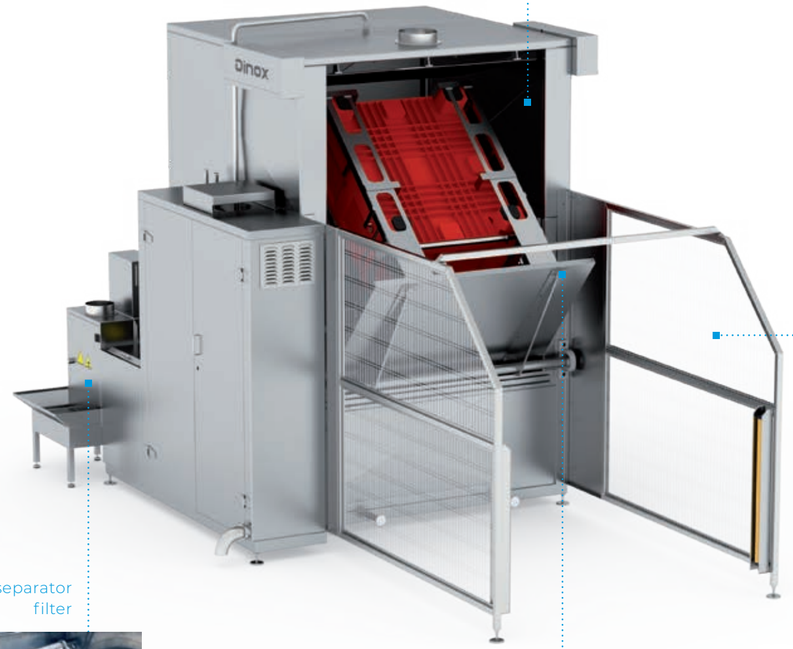
Thanks to the fruit and vegetable sector and the meat sector, we have developed and improved over the years equipment dedicated exclusively to washing bins or containers.

As always, we have gone one step further and tried, as far as possible, to include more products (crates or pallets) to wash in the equipment. Under the premise of a quick and easy change between one product and another, we obtain specific equipment for each need.

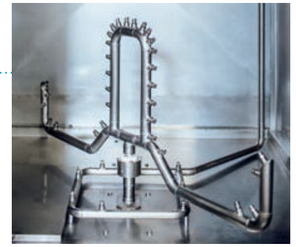
Thanks to our know-how, we give each dirt a different treatment, achieving optimal results in each piece of equipment.

F-5

PRODUCTIONS **SMALL**
< 25 units/hour



Washing using rotating and fixed arms



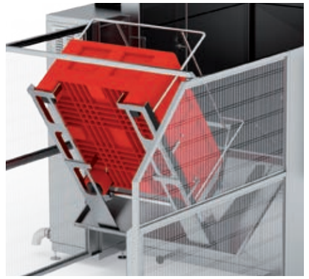
Solid separator filter

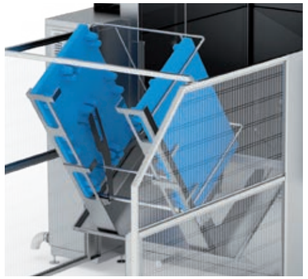


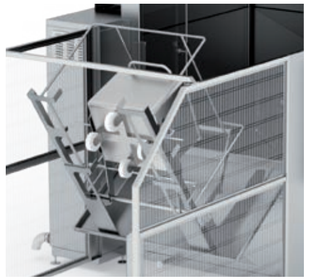
Automatic lifting system to introduce and remove the parts to be washed

PLC operation









Adaptable to washing different products:

BINS
PALLETS
CUTTER TROLLEYS

Washing program designed for each machine application, covering the specific needs of each sector.

The operation is divided into different processes, according to each particular case.

OPTIONAL ITEMS

Entry and exit automations



PA-2

MEDIUM PRODUCTIONS
< 60 units/hour





Gravity exit **turner**

Motorized entry
and/or exit **ramps**

Motorized entry **turner**



Motorized exit **turner**

Solid separator
filter

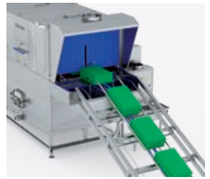


Adaptable to washing
different products:

BINS
PALLETS
CRATES



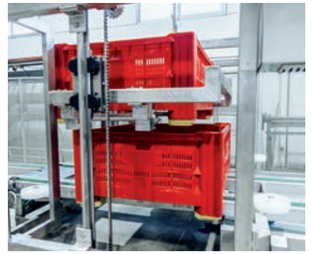




PA-3

LARGE PRODUCTIONS
< 100 units/hour







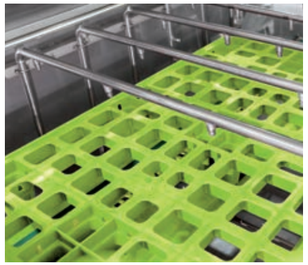




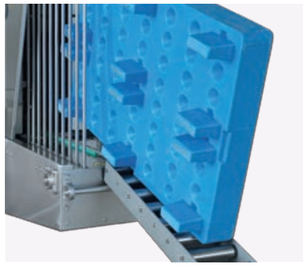


Blowing between washing phases
Rinsing
Washing
Stack accumulation belt
Prewashing
Bins stacker
Motorized entry turner
Turner and water recovery tank
PLC with ETHERNET (4.0)
Bins destacker
Solids collection
Stacks entry belt

PALLET WASHING







PALLET WASHING

Good hygiene is achieved by applying the cleaning process in all work areas and production materials.

Although they do not come into direct contact with the product, we are aware of the importance it has.

For this reason, we offer equipment designed for washing pallets used in the agri-food, logistics or pharmaceutical industries.

M-1/PL

MEDIUM PRODUCTIONS
< 100 units/hour







Roller ramps
at the entrance and/or exit of the tunnel

Washing using fixed panels



OPTIONAL ITEMS

Roller ramps for easy manual entry and exit.

Automation in entry and exit.

Blowing area for a first removal of washing water.

Additional drying modules, for a completely dry result.

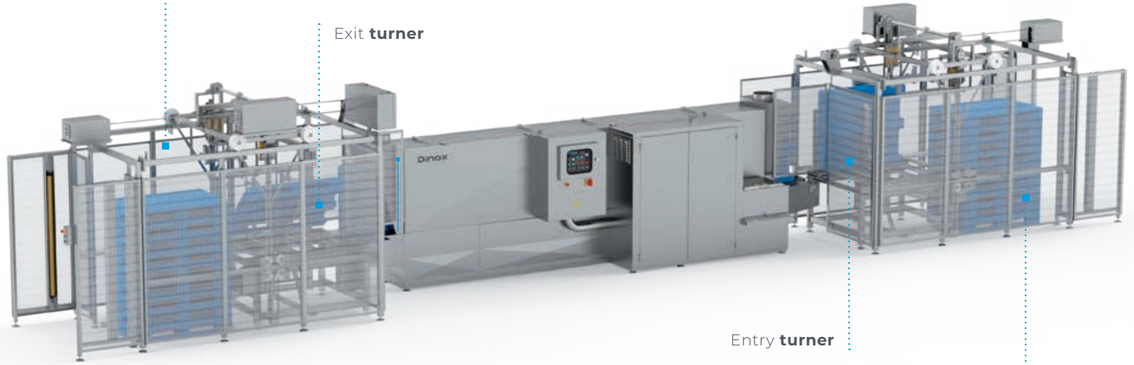
EconoSystem: rinse water saving system.

Additional drying modules



Stackers at exit

Exit **turner**

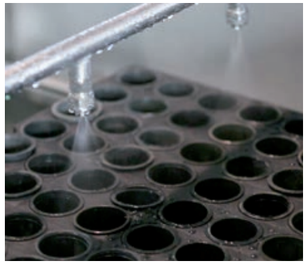


Entry **turner**

Destacker at entry

WASHING SEEDBED TRAYS







WASHING SEEDBED TRAYS

The need to wash the seedling trays well to avoid cross contamination and increase productivity has led us to present specific equipment for this product.

Depending on the production, the equipment is made up of one or several modules for washing, disinfecting, turning, drying, stacking...

Thanks to the efficiency of our equipment, you can save on material, product and time.

SE-0

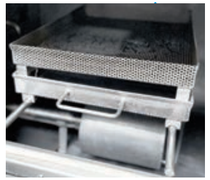
SMALL PRODUCTIONS
peat free



Double cassette filter

-

Drum filter



OPTIONAL ITEMS

Stacker and destacker.

Entry and accumulation belts.

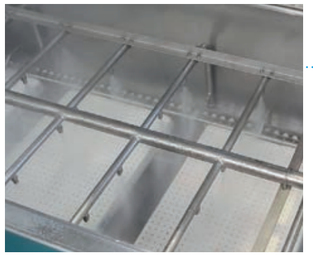
Vibration, turning, blowing and disinfecting modules.

Adaptation for washing plastic trays.

Product dispensers.

EconoSystem: rinse water saving system.



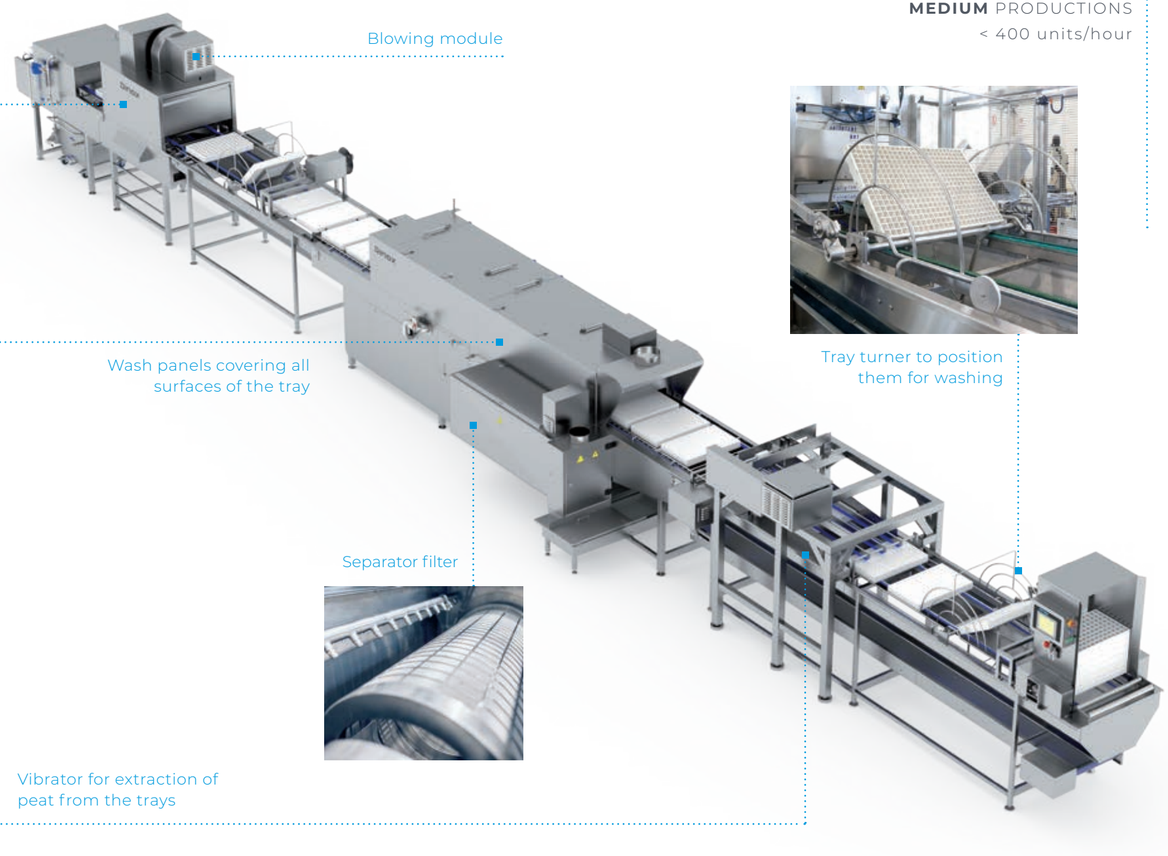




SE-4

MEDIUM PRODUCTIONS
< 400 units/hour

Blowing module



Wash panels covering all surfaces of the tray

Tray turner to position them for washing

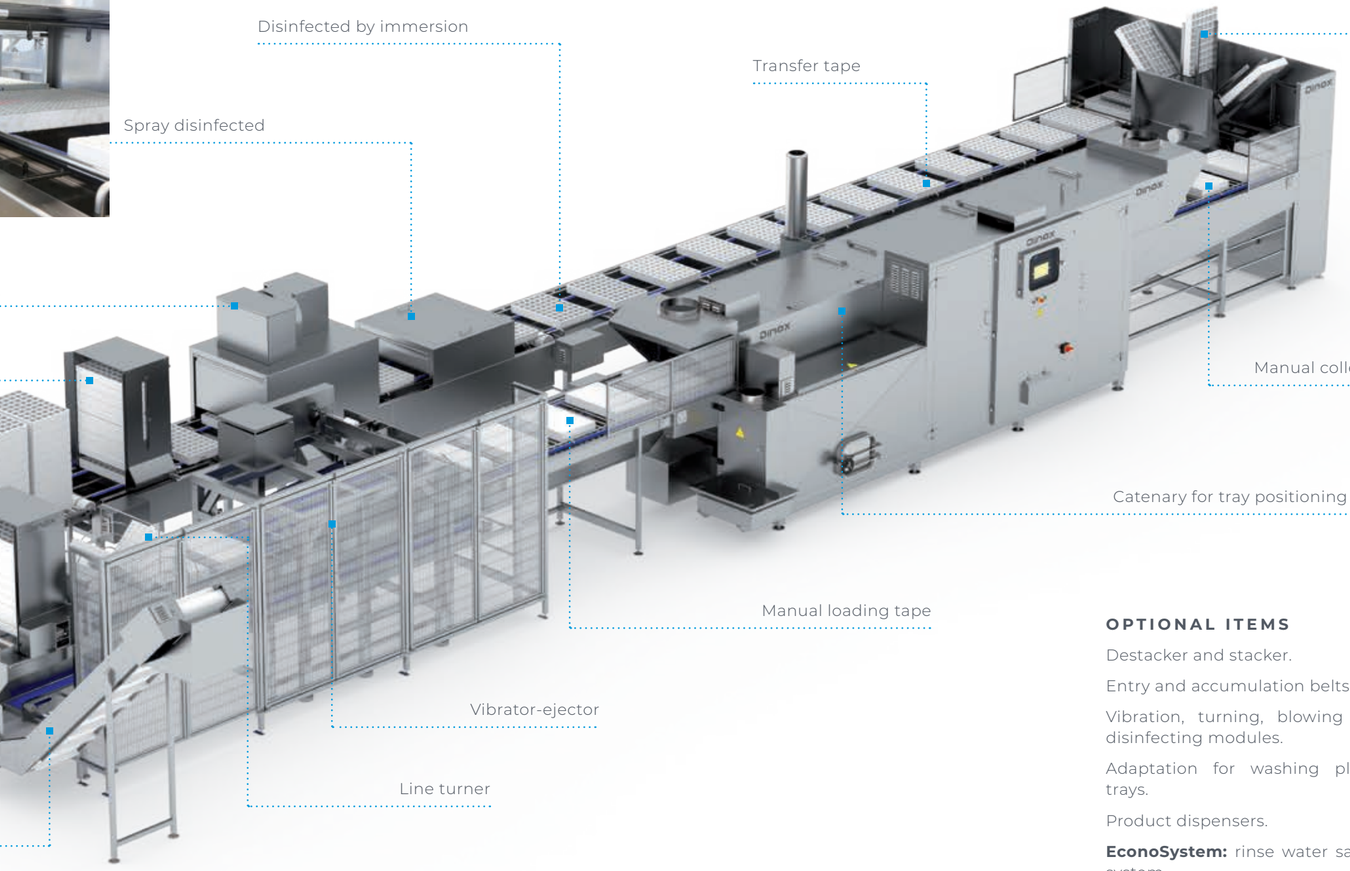
Separator filter

Vibrator for extraction of peat from the trays

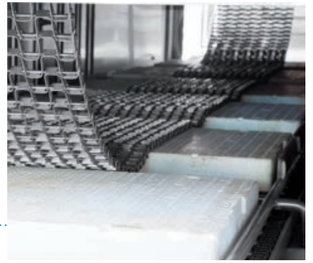
SE-6

LARGE PRODUCTIONS
< 600 units/hour











OPTIONAL ITEMS

Destacker and stacker.

Entry and accumulation belts.

Vibration, turning, blowing and disinfecting modules.

Adaptation for washing plastic trays.

Product dispensers.

EconoSystem: rinse water saving system.



Disinfected by immersion



CUTTER TROLLEY WASHING







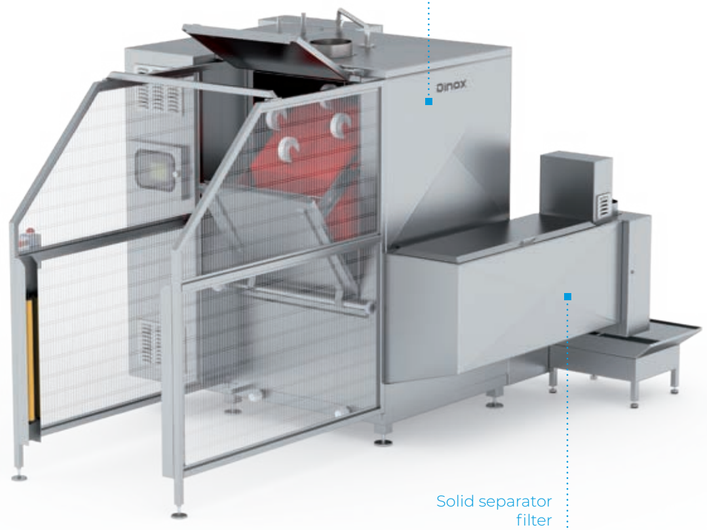
CUTTER TROLLEY WASHING

Specially designed to wash cutter trolleys in their entirety. With an automatic lifting system to introduce and remove the trolleys to be washed, coupled to the automatic doors and the machine cycle.

Available with a single entry and exit door or with two doors, for installations that need to separate clean and dirty areas.

F-2

SINGLE DOOR
FOR ENTRY AND EXIT



Washing using rotating and fixed arms



Solid separator filter



Our turning system is designed to wash the entire trolley, including the wheel area.

The screen allows you to select several programs depending on the degree of dirt.

Rotating arm to facilitate the exit of the trolleys





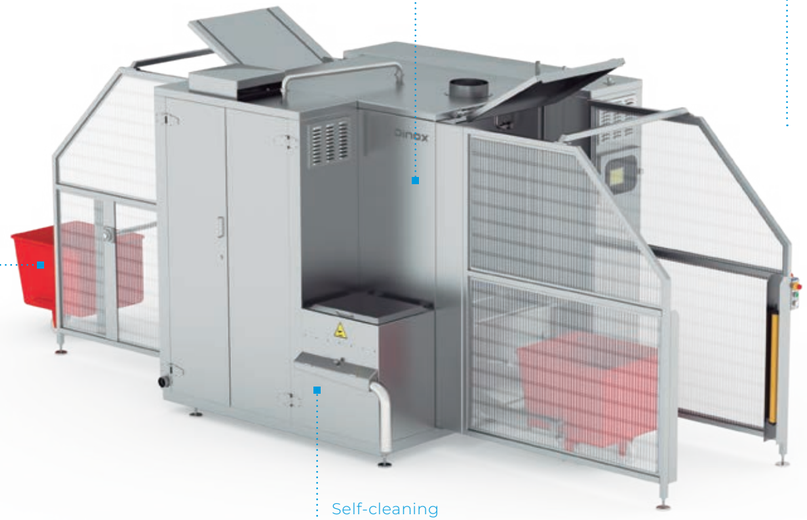




Washing using fixed panels with oscillating carriage movement

F-2/DP

TWO DOORS
FOR INSTALLATIONS WITH EQUIPMENT AS BARRIER



Self-cleaning rotative filter



WASHING OF TROLLEYS AND SHELVES







WASHING OF TROLLEYS AND SHELVES

We present one of our most versatile solutions. Our Cabinet Mod. F-1/R mainly washes trolleys and shelves, but it is adaptable to garbage containers and in addition, it can wash bins, pallets and crates thanks to custom carts.

Thanks to the internal washing concept and the possibility of programming, we make sure to wash every centimeter of the product.

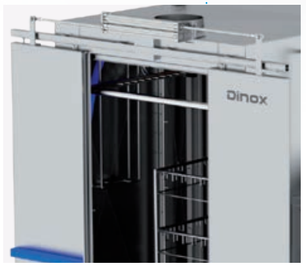
Available with a single entry and exit door or with two doors, for installations that need to separate clean and dirty areas.

F-1

SINGLE ENTRY
AND EXIT **DOOR**



Manual or
automatic doors



Self-cleaning
rotative filter



Washing using
rotating panels





OPTIONAL ITEMS

Automatic doors.

Product dispensers.

Rinsing system at 85°.

The operation is divided into different processes, according to each particular case.

F-1/M

TWO DOORS
FOR INSTALLATIONS WITH
EQUIPMENT AS BARRIER

Washing using a panel
with vertical oscillating
movement





Pre-installation to align
the machine's working
plane with the ground

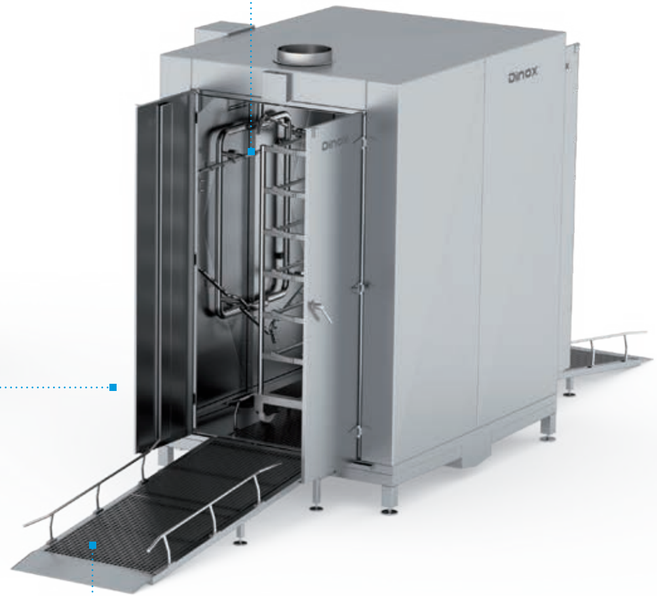
Automatic feeding system

F-1/E

WITHOUT PIT
INDEPENDENT PUMP
CABINET



Washing using rotating panels or panel with vertical oscillating movement



Transfer pump



Access ramps

OPTIONAL ITEMS

Automatic doors.

Product dispensers.

Rinsing system at 85°.

The operation is divided into different processes, according to each particular case.

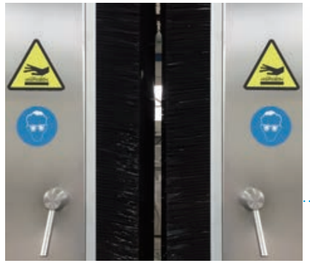
F-1/A

AIR CONVEYOR



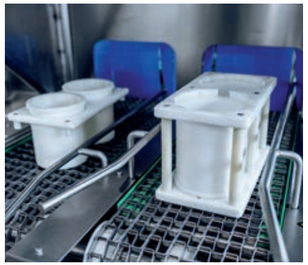
Washing using rotating panels



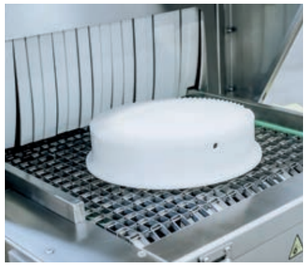


Closing brushes to prevent water splashes

WASHING CHEESE MOULDS







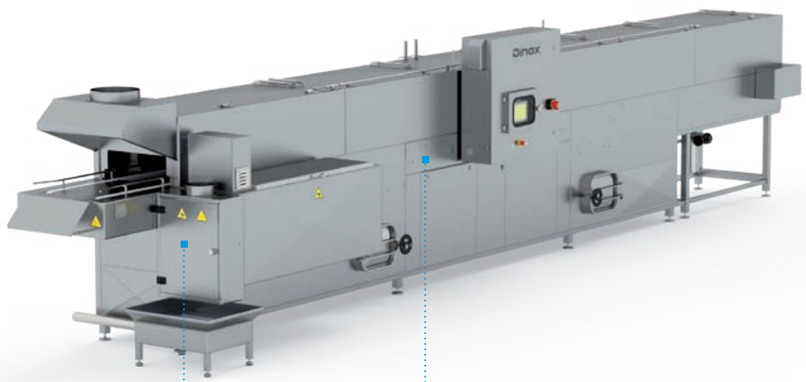
WASHING CHEESE MOULDS

Whether it is individual moulds and lids, multi-moulds or micro-perforated moulds, we have the solution. Based on our experience, we have developed a solution for each product thanks to manual pressure regulation.

The equipment can be adapted to wash other parts such as crates, racks or pallets used in production.

M/C/Q

MEDIUM PRODUCTIONS
< 800 units/hour



Adaptable to washing different products:

CRATES and TRAYS

PALLETS





Solid separator filter



Washing of microperforated moulds



OPTIONAL ITEMS

1 or 2 lines.

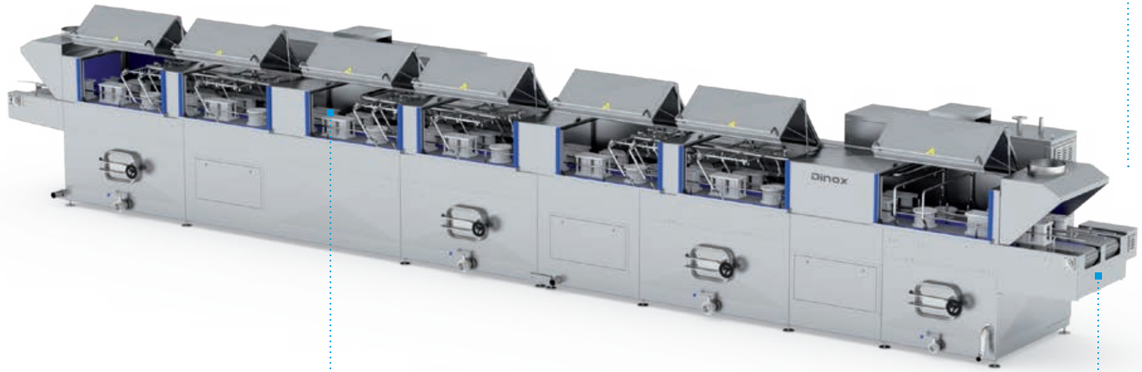
Product dispensers.

Adaptation to other products..

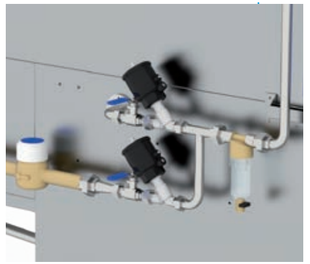
EconoSystem: rinse water saving system.

E/C/Q

LARGE PRODUCTIONS
< 1200 units/hour



Upper and lower washing pressure with independent regulation



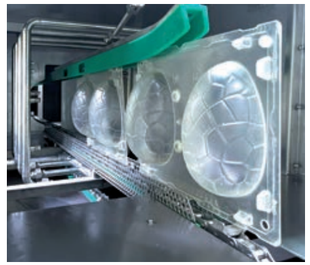
1 or 2 washing lines

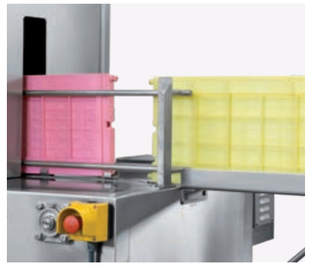


Mesh conveyor

WASHING AND DRYING CHOCOLATE MOULDS







WASHING AND DRYING CHOCOLATE MOULDS

Aware of the importance of good drying, we have developed solutions in tunnel format for washing and drying chocolate moulds.

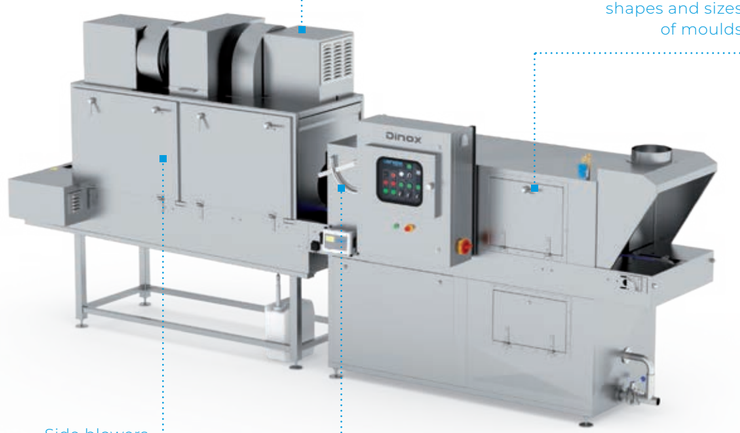
Whether it is small productions or larger quantities, we design the equipment to measure, adapting to your specific needs.

M-0/CH

SMALL PRODUCTIONS
< 100 units/hour

2 visible turbines

Washing different shapes and sizes of moulds





Side blowers



Adjustable guides for different moulds in washing

OPTIONAL ITEMS

Return conveyor for one operator to work.

Product dispensers.

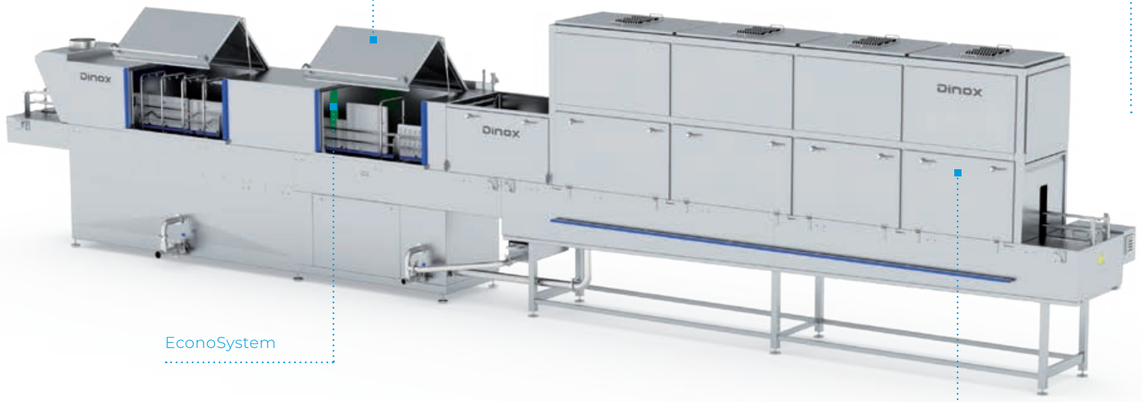
Available in different water heating systems.

EconoSystem: rinse water saving system.

M-2/CH

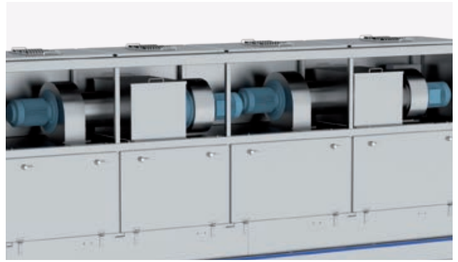
MEDIUM PRODUCTIONS
< 300 units/hour

Folding hoods



EconoSystem

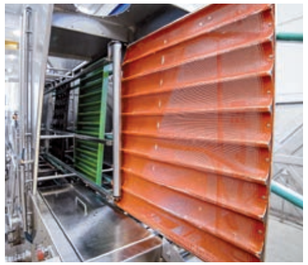
4 turbines in independent cabinet

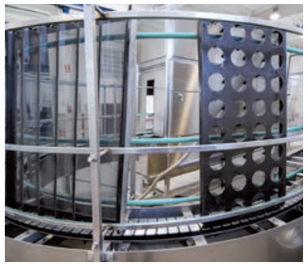


Side blowers



WASHING AND DRYING OF BAKERY MOULDS







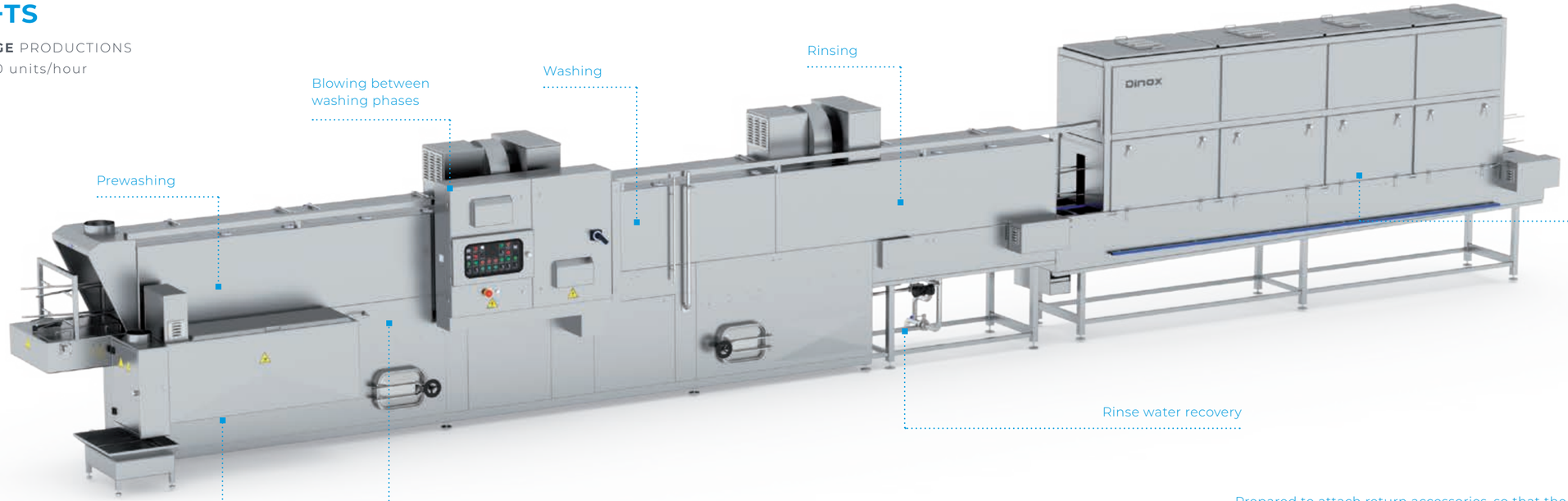
WASHING AND DRYING OF BAKERY MOULDS

Bread moulds or pizza trays, we are specialists in washing and drying these types of products. The equipment is developed for an optimal approach to remove dirt without damaging the surface.

No less important is the drying, before returning to production. Depending on the production, we offer you the best solution to integrate the equipment you need in your facilities.

M+TS

LARGE PRODUCTIONS
< 600 units/hour















OPTIONAL ITEMS

Ramps, conveyors and curves to adapt the equipment to your installation

Product dispensers.

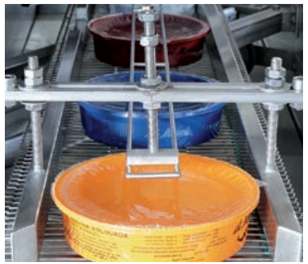
Different washing water heating systems

Adjustable guides.

EconoSystem: rinse water saving system

WASHING AND DRYING OF JARS AND CANS







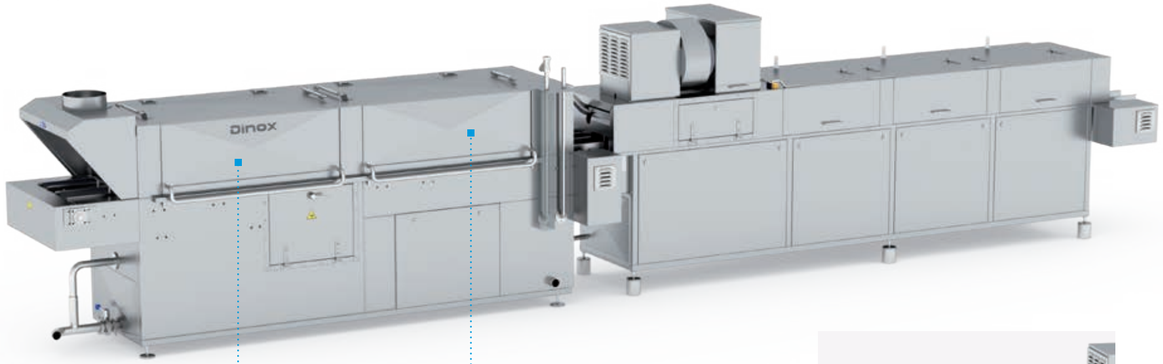
WASHING AND DRYING OF JARS AND CANS

Suitable solutions for any product coming out of the autoclave. Washing and subsequent drying before labelling or placing in a cardboard box is what this line offers.

Jars, cans, shrink-wrapped trays or doypacks, we adapt!

M+TS/R

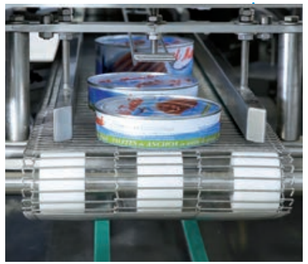
DIFFERENT **WASHING AND DRYING** COMBINATIONS

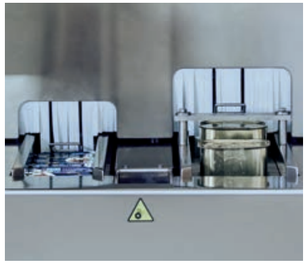


Blowing before rinsing to recover wash water



Washing of different sizes





OPTIONAL ITEMS

1 or 2 washing lines.

Available with different water heating systems.

Entry and exit conveyor belts.

EconoSystem: rinse water saving system.

TS/R-2

MEDIUM PRODUCTIONS



Height-adjustable blowers, manual or automatic



TS/R-3

LARGE PRODUCTIONS



DRUM WASHING



Interior and exterior washing
with brushes and water injectors





Mod. B automatic washing cabinets are intended for washing drums.

They can wash drums of different sizes.

The washing cycle processes are programmable, according to the customer's needs.

Available with different water heating systems.





WASHING AND BLOWING OF SHOVELS AND WHEELS

PALNET ®

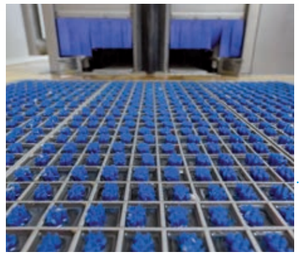
WASHING AND DISINFECTING
SHOVELS AND WHEELS



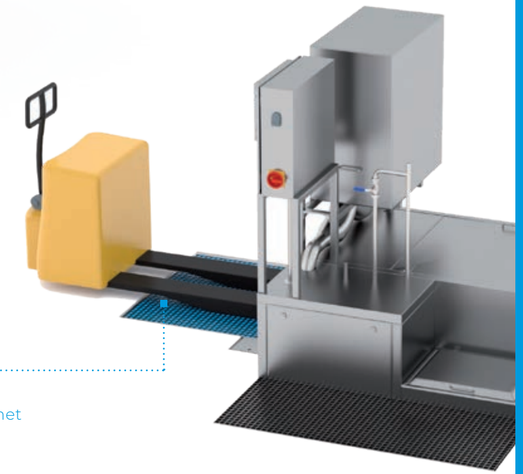
Top and bottom wash

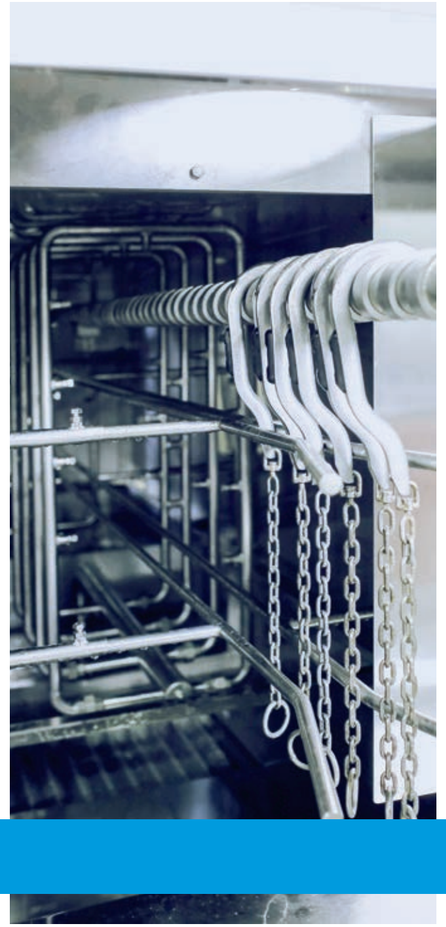


Blowing at the end
of the process



Cleaning wheels when
entering and leaving the cabinet











SPECIFIC PRODUCTS

Dinox
WASHING SOLUTIONS

HOOKS

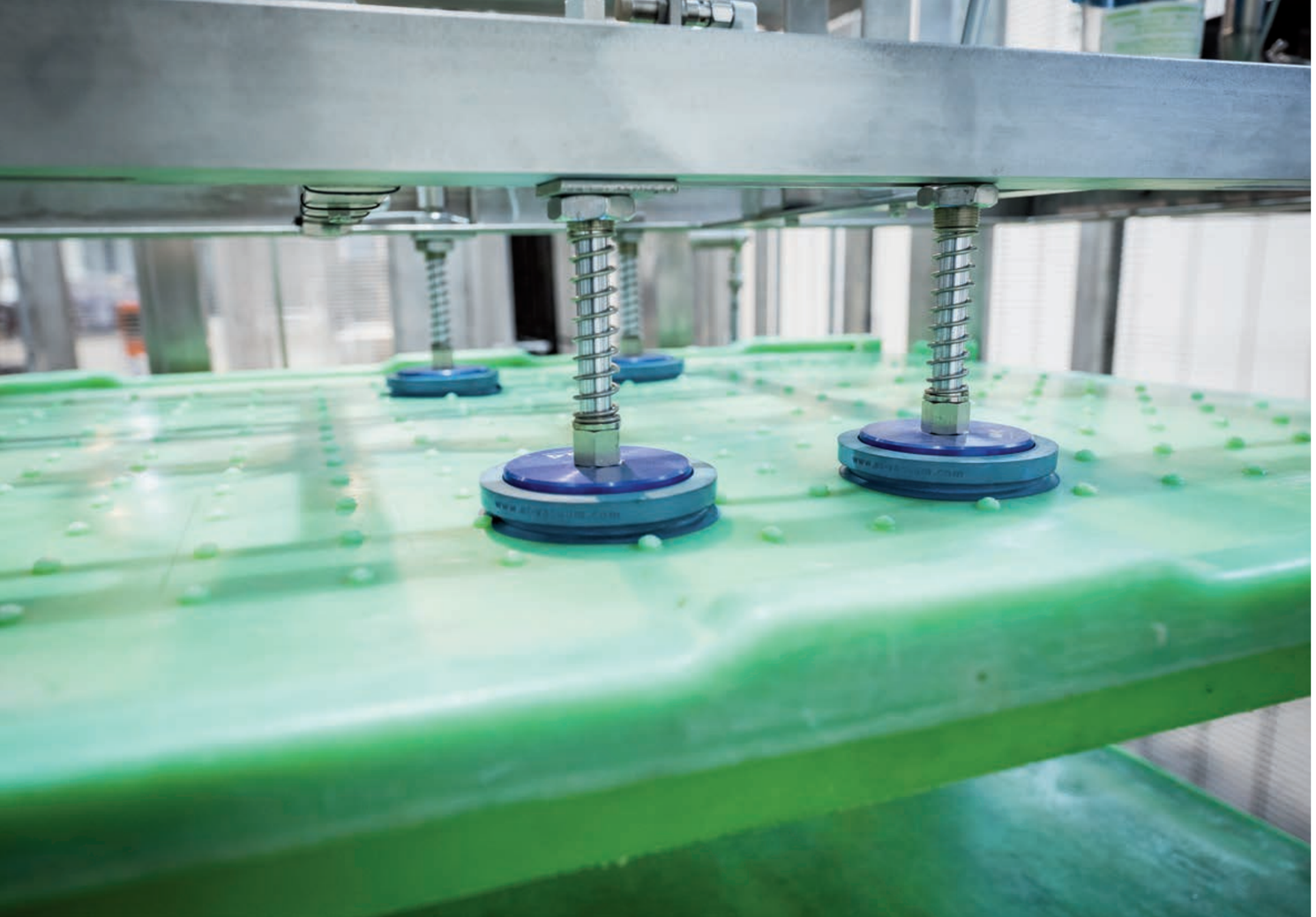
PREFORM CONTAINERS

RACKS-CAGES

POULTRY CAGES

BOTTLES AND UTENSILS

Contact us for any other products



Tunnels, cabinets or entire lines for washing and drying products for any agri-food sector.

If you have not found the solution to your specific need, we invite you to visit our website or contact us.

Our team will be happy to answer any questions you may have.

SEE YOU SOON!

Dinox
WASHING SOLUTIONS

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