



# **INDUSTRIAL CLEANING SYSTEMS & LOGISTICS**

**POULTRY INDUSTRY**





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Unifortes offers smart cleaning solutions for every challenge in all kinds of production companies, factories and farms. Our allround experience with cleaning technology in material handling projects enables us to provide our customers with high quality equipment, based on the most efficient and cost effective solution, using the latest technology from our modern production facilities.

Unifortes developed a wide range of highly efficient and hygienic washing and drying installations for the poultry industry. We devided our poultry related machinery into 4 categories.

## Poultry Meat Plants



## Hatcheries



## Egg Producers & Processors



## Poultry Farms



### Poultry Meat Plants

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# Poultry Meat Plants

Unifortes understands the importance of hygiene when it comes to cleaning, drying and storing crates, pallets and bins used in the poultry industry. Unifortes washing installations are designed to avoid physical cross contamination by separating pre-soak, washing and clean storage areas.

## Unifortes Industrial Tunnel Washers

The modular tunnel washer is part of the Unifortes Industrial series and is suitable for the washing and rinsing of trays, crates, boxes and pallets. The machine consists of at least one wash section and a rinsing section. The washers are available in different widths. Due to its modular and standardized design the machine can be adapted according to the product and capacity requirements.



### UNI-W350.70

- 3,5m Wash Tunnel
- Main Wash Section
- Rinsing Section
- Up to 600 E2 crates/h

### UNI-W550.70

- 5,5m Wash Tunnel
- Pre Wash Section
- Main Wash Section
- Rinsing Section
- Up to 900 E2 crates/h

### UNI-W750.70

- 7,5m Wash Tunnel
- Pre Wash Section
- 2 Main Wash Sections
- Rinsing Section
- Up to 1250 E2 crates/h

### UNI-W950.70

- 9,5m Wash Tunnel
- Pre Wash Section
- 3 Main Wash Sections
- Rinsing Section
- Up to 1500 E2 crates/h

### UNI-W1150.70

- 11,5m Wash Tunnel
- Pre Wash Section
- 4 Main Wash Sections
- Rinsing Section
- Up to 1950 E2 crates/h

The above mentioned specifications are based on a 700mm transport width. The industrial series are also available in the widths of 1000mm and 1200mm and can be equipped with dual lane transport (max. transport width of 400mm) for higher capacity.

## Unifortes Live Bird Crate Washers

The modular tunnel washer is part of the Unifortes Industrial series and is suitable for the washing and rinsing of live bird crates. The machine consists of at least one wash section and a rinsing section. The washers are available in different widths. Due to its modular and standardized design the machine can be adapted according to the product and capacity requirements.



### UNI-LB350.70

- 3,5m Wash Tunnel
- Main Wash Section
- Rinsing Section
- Rotating Drum filter
- Hot water heat exchanger
- Crate orientation horizontally or vertically
- Up to 200 crates/h

### UNI-LB350.70H

- 3,5m Wash Tunnel
- Main Wash Section
- Rinsing Section
- Rotating Drum filter
- Hot water heat exchanger
- Crate orientation horizontally or vertically
- Up to 400 crates/h

### UNI-LB550.70

- 5,5m Wash Tunnel
- Prewash Section
- Main Wash Section
- Rinsing Section
- Rotating Drum filter
- Hot water heat exchanger
- Crate orientation horizontally or vertically
- Up to 600 crates/h

### UNI-LB550.70H

- 5,5m Wash Tunnel
- Prewash Section
- Main Wash Section
- Rinsing Section
- Rotating Drum filter
- Hot water heat exchanger
- Crate orientation horizontally or vertically
- Up to 900 crates/h

### UNI-LB750.70

- 7,5m Wash Tunnel
- Prewash Section
- 2 Main Wash Sections
- Rinsing Section
- Rotating Drum filter
- Hot water heat exchanger
- Crate orientation horizontally or vertically
- Up to 1200 crates/h



# Poultry Meat Plants

## Unifortes Vertical Pallet Washer

The Unifortes vertical pallet washer series are specially designed for washing different kinds of pallets. The washers contain a washing section and a rinsing section.



UNI-PW250.100

- 2,5m Wash Tunnel
- Main Wash Section
- Rinsing Section
- Up to 100 pallets/h



UNI-PW450.100

- 4,5m Wash Tunnel
- Main Wash Section
- Rinsing Section
- Up to 200 pallets/h

## Unifortes Cabin Washers

This stand-alone cabin washer is suitable for washing carts, dollies, trolleys, boxes, totes and bins.



UNI-CW75.75

- 200L bins
- Pre Wash Cycle
- Main Wash Cycle
- Rinsing Cycle
- Up to 40 bins/h
- Also available in a double version up to 80 bins/h

UNI-CW75.95

- 200L & 300L bins
- Pre Wash Cycle
- Main Wash Cycle
- Rinsing Cycle
- Up to 40 bins/h
- Also available in a double version up to 80 bins/h

UNI-CW120.100

- Containers & bins
- Pre Wash Cycle
- Main Wash Cycle
- Rinsing Cycle
- Up to 40 bins/h

## Unifortes Industrial Dryers

The air recirculation dryer uses blow off techniques to dry your tray, crate or pallet. This dryer is available in different configurations based on product size, desired drying results and needed capacity. The unit can be implemented inline with a tunnel washer or positioned as a stand-alone working machine.



UNI-D200.70

- 2 ventilators

UNI-D200.100

- 4 ventilators

UNI-D200.120

- 4 ventilators

## Unifortes Filtration Systems

Unifortes washers can incorporate different systems for automatic filtering of water. Depending on the type of pollution and the product carriers being used, Unifortes offers the right specific water filtration system. The unit can be implemented in-line with a tunnel washer.



### Rotating cloth filter

- Filtration up to 150 - 200µm
- Different cloth densities available
- Applicable as add-on for Unifortes washers

Energy and water usage are a substantial cost factor in the daily operation of a hatchery in which an efficient cleaning solution can make a difference. Our highly specialized heat exchangers and the optimal water re-circulation system gives the best washing result against the lowest usage of energy and water.

## Unifortes Basic Tunnel Washers

The Unifortes Basic washer series are specially designed for washing at a lower capacity. The washers contain a washing section and a rinsing section. The Unifortes Basic-line includes washers for trays, crates and boxes.



- UNI-BW200.60**
- 2m Wash Tunnel
  - Main Wash Section
  - Rinsing Section
  - Up to 300 E2 crates/h



- UNI-BW300.60**
- 3m Wash Tunnel
  - Main Wash Section
  - Rinsing Section
  - Up to 350 E2 crates/h

## Unifortes Industrial Tunnel Washers

The modular tunnel washer is part of the Unifortes Industrial series and is suitable for the washing and rinsing of trays, crates, boxes and pallets. The machine consists of at least one wash section and a rinsing section. The washers are available in different widths. Due to its modular and standardized design the machine can be adapted according to the product and capacity requirements.



- |  |   |   |   |   |
|--|---|---|---|---|
| <p><b>UNI-W350.70</b></p> <ul style="list-style-type: none"><li>· 3,5m Wash Tunnel</li><li>· Main Wash Section</li><li>· Rinsing Section</li><li>· Up to 600 E2 crates/h</li></ul> | <p><b>UNI-W550.70</b></p> <ul style="list-style-type: none"><li>· 5,5m Wash Tunnel</li><li>· Pre Wash Section</li><li>· Main Wash Section</li><li>· Rinsing Section</li><li>· Up to 900 E2 crates/h</li></ul> | <p><b>UNI-W750.70</b></p> <ul style="list-style-type: none"><li>· 7,5m Wash Tunnel</li><li>· Pre Wash Section</li><li>· 2 Main Wash Sections</li><li>· Rinsing Section</li><li>· Up to 1250 E2 crates/h</li></ul> | <p><b>UNI-W950.70</b></p> <ul style="list-style-type: none"><li>· 9,5m Wash Tunnel</li><li>· Pre Wash Section</li><li>· 3 Main Wash Sections</li><li>· Rinsing Section</li><li>· Up to 1500 E2 crates/h</li></ul> | <p><b>UNI-W1150.70</b></p> <ul style="list-style-type: none"><li>· 11,5m Wash Tunnel</li><li>· Pre Wash Section</li><li>· 4 Main Wash Sections</li><li>· Rinsing Section</li><li>· Up to 1950 E2 crates/h</li></ul> |
|--|---|---|---|---|

The above mentioned specifications are based on a 700mm transport width. The industrial series are also available in the widths of 1000mm and 1200mm and can be equipped with dual lane transport (max. transport width of 400mm) for higher capacity.





## Unifortes Dolly/Trolley Washers

This modular tunnel washer is suitable for cleaning dollies, trolleys and carts that are used in a wide range of sectors. This unique design has a transport height of only 250mm and can therefore be placed directly on the production floor.



### UNI-TW450.80.30

- 3,5m Wash Tunnel
- Main Wash Section
- Rinsing Section
- Max. dolly height 300mm
- Up to 40 dollies/h



### UNI-TW450.80.120

- 3,5m Wash Tunnel
- Main Wash Section
- Rinsing Section
- Max. trolleys height 1200mm
- Up to 40 dollies/h



### UNI-TW450.80.220

- 3,5m Wash Tunnel
- Main Wash Section
- Rinsing Section
- Max. trolleys height 2200mm
- Up to 40 dollies/h

## Unifortes Filtration Systems

Unifortes washers can incorporate different systems for automatic filtering of water. Depending on the type of pollution and the product carriers being used, we can offer you the right specific water filtration system.



### Rotating cloth filter

- Filtration up to 150 - 200µm
- Different cloth densities available
- Applicable as add-on for Unifortes washers

## Unifortes Dryers

The air recirculation dryer uses blow off techniques to dry your tray, crate or pallet. This dryer is available in different configurations based on product size, desired drying results and needed capacity. The unit can be implemented in-line with a tunnel washer or positioned as a stand-alone working machine.



UNI-BD140.60  
· 2 ventilators

UNI-D200.70  
· 2 ventilators

UNI-D200.100  
· 4 ventilators

UNI-D200.120  
· 4 ventilators



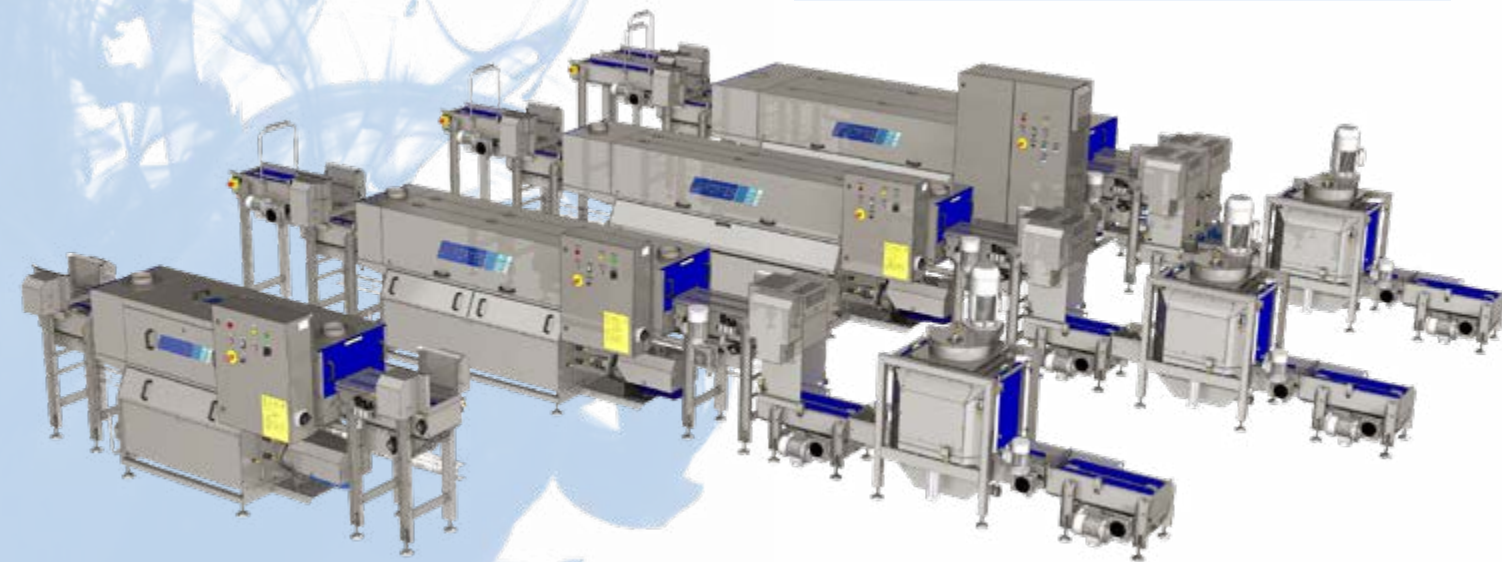
# Egg Producers & Processors



Unifortes egg washers and egg tray washers are specially designed to clean eggs and carriers in a delicate, but efficient manner. Unifortes can also deliver a variety of material handling solutions for farms and production companies.

## Unifortes Egg Tray Washers

The Unifortes tray washer series are specially designed for washing the 30 cell egg trays. The washers contain a washing section and a rinsing section. The Unifortes egg tray washers can be equipped with different kind of options like stackers and destackers to fulfill your specific needs.



### UNI-BW200.30ET

- 2m Wash Tunnel
- Main Wash Section
- Rinsing Section
- Up to 1750 trays/h
- Single Transport Lane

### UNI-BW275.30ET

- 2,75m Wash Tunnel
- Main Wash Section
- Rinsing Section
- Up to 2500 trays/h
- Single Transport Lane

### UNI-BW350.30ET

- 3,5m Wash Tunnel
- Main Wash Section
- Rinsing Section
- Up to 3250 trays/h
- Single Transport Lane

### UNI-BW350.2x30ET

- 3,5m Wash Tunnel
- Main Wash Section
- Rinsing Section
- Up to 6500 trays/h
- Double Transport Lane



# Egg Producers & Processors

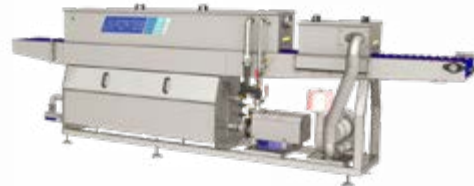
## Unifortes Egg Washers & Dryers

The Unifortes egg washer series are specially designed for washing eggs. The washers contain a washing section, rinsing section and can optionally be equipped with an oiler. The Unifortes egg washers can be equipped with different kind of options to fulfill your specific needs.



### UNI-EW150.2

- 1,5m Wash Tunnel
- Main Wash Section
- Rinsing Section
- 2 Rows
- Up to 4000 eggs/h
- Drying Section



### UNI-EW200.2

- 2m Wash Tunnel
- Main Wash Section
- Rinsing Section
- Available in 2, 3 and 6 Rows
- From 9000 up to 18000 eggs/h
- Drying Section



### UNI-EW275.6

- 2,75m Wash Tunnel
- Main Wash Section
- Rinsing Section
- 6 Rows
- Up to 27000 eggs/h
- Drying Section



### UNI-EW350.6

- 3,5m Wash Tunnel
- Main Wash Section
- Rinsing Section
- 6 Rows
- Up to 36000 eggs/h
- Drying Section



### UNI-EW700.6

- 7m Wash Tunnel
- Pre Wash Section
- Main Wash Section
- Rinsing Section
- Available in 12, 18 and 24 Rows
- From 72000 eggs/h up to 288000 eggs/h
- Drying Section

## Unifortes Vertical Pallet & Divider Washers

The Unifortes vertical pallet washer series are specially designed for washing pallet and dividers. The washers contain a washing section and a rinsing section and can optionally be equipped with handling systems.



### UNI-PW250.100 + UNI-PD160.100

- 2,5m Wash Tunnel
- Main Wash Section
- Rinsing Section
- Up to 100 pallets/h
- Drying Section
- Pushover Unit
- Return Conveyor



### UNI-PW250.100 + UNI-PD160.100

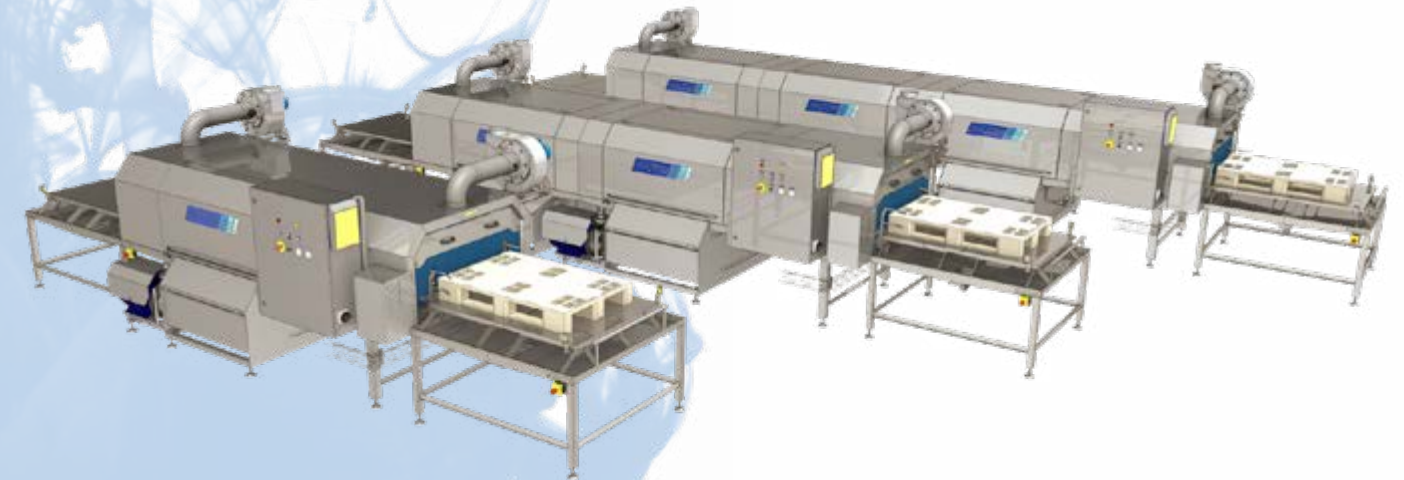
- 2,5m Wash Tunnel
- Main Wash Section
- Rinsing Section
- Up to 100 pallets/h
- Drying Section



# Egg Producers & Processors

## Unifortes Horizontal Pallet & Divider Washers

The modular tunnel washer is part of the Unifortes Industrial series and is suitable for washing and rinsing pallets and dividers. The machine consists of at least one wash section and a rinsing section and is available in different widths. Due to its modular and standardized design the machine can be adapted according to the product and capacity requirements.



### UNI-W350.100

- 3,5m Wash Tunnel
- Main Wash Section
- Rinsing Section
- Up to 300 pallets/h

### UNI-W550.100

- 5,5m Wash Tunnel
- Pre Wash section
- Main Wash Section
- Rinsing Section
- Up to 600 pallets/h

### UNI-W750.100

- 7,5m Wash Tunnel
- Pre Wash Section
- 2 Main Wash Sections
- Rinsing Section
- Up to 900 pallets/h



## Stand-Alone Spin Dryer

The Unifortes Stand-Alone Spin Dryer is able to dry stacks up to 70 trays in one cycle. The spin dryer is economical and efficient in design. The circulation drying process easily starts with a push of a button and can be operated by one person to cut down on labor costs.



### UNI-SPIN.SA

- Handles stacks up to 70pcs egg trays per cycle
- Cycle time adjustable, to get every drying result desired
- Low power consumption compared to other drying solutions
- Ergonomic infeed height, for easy operation
- Safety features to ensure safe operation
- Very low maintenance
- Up to 4200 trays/h

## In-line Spin Dryer

The Unifortes Inline Spin Dryer is able to dry stacks between 40 – 65 trays in one cycle. The spindryer can be implemented in-line with a tray washer or can be placed alongside the tray washer. The drying process starts automatically and is part of the complete line.



### UNI-SPIN.IL

- Handles stacks between 40 and 65 trays per cycle
- Cycle time adjustable, to get every drying result desired
- Low power consumption compared to other drying solutions
- Safety features to ensure safe operation
- Very low maintenance
- Up to 6500 trays/h

The greatest cleaning challenge in poultry farms is possibly the slat flooring. Unifortes developed a special washer to clean poultry flooring slats, designed to quickly and easily move around in the farm.

## Unifortes Slat Washer

The Unifortes Slat washer series is specially designed for washing poultry slats. As the machine is equipped with swivel wheels and only needs a power and water connection, it's easy to move into other locations.



### UNI-SW100.120

- High Pressure Washing
- Fresh Water Rinsing
- Up to 150 Slats/h
- Mobile
- Different Options for Water Supply





## Handling systems

The experience of Unifortes in handling systems can cover practically every part of the automated infeed and outfeed of your washing installation. The industrial washers can be directly connected to your production area through affiliated material handling technology.

Typical systems include: conveying, transportation, (de) stacking, (de)palletizing, sortation and storage systems. All based on a modular construction and designed based on HACCP regulations and food-grade environments.

## Material Handling Solutions:

- Stackers and de-stackers
- Palletizers and de-palletizers
- Sorting systems
- Conveying technology
- Loading and unloading systems
- Automatic warehouse systems







- UNIFORTES OFFICE
- UNIFORTES AGENT

## Taking cleaning to a higher level

The company's background with many years of experience in 'Cleaning Technology' and 'Material Handling' enables Unifortes to provide its customers with the most efficient solutions and high quality equipment, using the latest technology from our modern production facilities. Unifortes' strength is offering smart solutions for every challenge. Our focus and pride is on efficiency, durability and hygiene as well as user friendliness. In order to maintain our strong position in the market, Unifortes will continuously develop and introduce new technologies to our customers and prospective customers.

With our worldwide network we can provide a full and comprehensive service in almost any country in the world, enabling us to react quickly and efficiently where necessary. The service and maintenance department offers on-site service and can be contacted 24 hours a day, seven days a week. Possible electrical malfunctions on a production line can also be located or solved from within our company using internet and webcam technology. This way, production downtime is reduced to an absolute minimum.

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