

GENERAL BROCHURE

# ***INDUSTRIAL CLEANING SYSTEMS & LOGISTICS***

***UNIFORTES*** 

# PRODUCT CARRIERS



# SPECIFICATIONS

- STANDARD
- OPTIONAL
- NOT APPLICABLE

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**DISCOVER THE DEFINITION  
OF #CLEANINGTECHNOLOGY**

OUR PASSION FOR HYGIENE

# WHO WE ARE

Unifortes is your global partner in offering industrial cleaning systems and logistics. With our test center, modern production facility and years of experience we find optimal cleaning. We find your definition of clean, so that you can focus on doing what you're good at.

We are passionate about delivering total cleaning solutions, installations that are simple and predictable to operate, service and maintain, all at minimum costs. We do that with a creative and ambitious team. Focussed on making hygiene easier with innovative solutions, no matter the company size. Small stand-alone washer or turn-key cleaning solution? All our systems are based on the most efficient and cost-effective solutions, using the latest technology from our modern production facilities.

Looking for a stand-alone washer or a turn-key fully automated washing and handling plant? We got you covered!



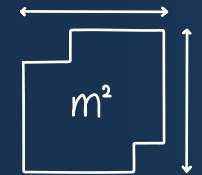
**2**

**GENERATIONS  
FAMILY OWNED**



**63**

**COUNTRIES WITH  
UNIFORTES WASHERS**



**5000**

**M2 WORKING SPACE  
HEADQUARTERS**

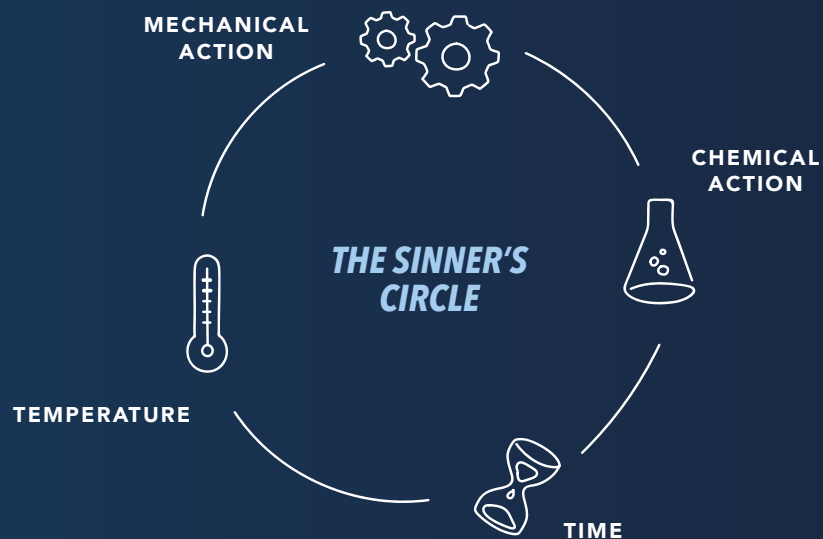
## PRINCIPLES OF CLEANING

# OUR APPROACH

Unifortes washers are all designed by the four principles of cleaning for a hygienic wash cycle: "Sinner's Circle". The Sinner's Circle is part of the core knowledge of every professional in hygiene and has become the industry standard. It means that we achieve optimal cleaning results by using the components "time", "temperature", "chemistry" and "mechanical force" in the best possible ratio.

The goal is to achieve the shortest cycle time as possible, with the complete Sinner Circle being in balance. This all depends on your product and the degree of pollution. Precise amounts of water mixed with the right pressure, temperature and detergent, allowing improved results and lower power levels. The advanced and modular design of the Unifortes Industrial Washer of Unifortes make convenient and cost-effective cleaning solutions accessible to any company.

How to get rid of different types of pollution in one wash? We know the answers, but let's find it out together in our test center!





**OFFERING SMART  
CLEANING SOLUTIONS  
FOR EVERY CHALLENGE**

YOUR PARTNER IN HYGIENE

# ***MARKETS WE SERVE***

No matter your market, you want to deliver the best possible quality. Each market knows its own cleaning challenges, but overall the goal is the same. You have to make sure that no cross-contamination can take place to avoid closure of your business and to make sure your company offers safe products.

To minimize the chance of cross-contamination, reduced product quality and in some sectors even virus-outbreaks, appropriate cleaning methods must be part of your hygiene plan. Unifortes has the experience with delivering highly efficient and hygienic washers for a wide range of food and non-food sectors.



**BAKERY**



**FISH**



**INSECTS**



**DAIRY**



**HORTICULTURE**



**POULTRY**



**FRESH PRODUCE**



**MEAT**



**NON-FOOD**



A SMALL BUT REAL CHALLENGE

# BASIC WASHERS

Designed for washing lower capacities, varying from 100 to 400 products per hour. The Basic series is up and running in no time featuring fast, easy and impressive washing results.

Our range offers models dedicated for trays, crates, pots and other small product carriers. The Basic series units include a water tank for the circulation of your wash water. But the UNI-BT400.150 can even be executed without tank and used with a high-pressure cleaner.



# COMPACT & STAND-ALONE



**UNI-BT400.150**

**UNI-BT400.300**

**UNI-BW200.60**

**UNI-BW300-60**

**UNI-BW150-60**

WASH TUNNEL	1 meter	2.7 meters	2 meters	2 meters	1.5 meters
MAIN WASH	1 section	1 section	1 section	1 section	1 section
RINSING SECTION	☑	☑	☑	☑	☑
DRYING SECTION	-	-	○	○	-
MODULAR	-	-	-	-	-
ONE-MAN OPERATION	○	☑	○	○	○



MODULAR AND FULLY CUSTOMIZABLE

# ***INDUSTRIAL WASHERS***

Whatever challenge you're facing, the industrial washer is ready. This tunnel washer sets new standards in terms of ease of use and performance with capacity of over 2000 products per hour. This series is developed for washing all sorts of products made from polysterene to hard plastic.

Heavy pollution? The Industrial series is adjusted to your situation, based on space, pollution, capacity and of course type of product. Various heating systems, disinfection units and filtration systems optimize the washing result and provide microbiological clean results.



# SETTING NEW STANDARDS



**UNI-W350.70**

**UNI-W550.70**

**UNI-W750.70**

**UNI-W950.70**

**UNI-W1150.70**

	<b>UNI-W350.70</b>	<b>UNI-W550.70</b>	<b>UNI-W750.70</b>	<b>UNI-W950.70</b>	<b>UNI-W1150.70</b>
<b>WASH TUNNEL</b>	3.5 meters	5.5 meters	7.5 meters	9.5 meters	11.5 meters
<b>PRE-WASH</b>	–	✓	✓	✓	✓
<b>MAIN WASH</b>	1 section	1 section	2 sections	3 sections	4 sections
<b>RINSING SECTION</b>	✓	✓	✓	✓	✓
<b>DRYING SECTION</b>	○	○	○	○	○
<b>ONE-MAN OPERATION</b>	○	○	○	○	○
<b>MODULAR</b>	✓	✓	✓	✓	✓

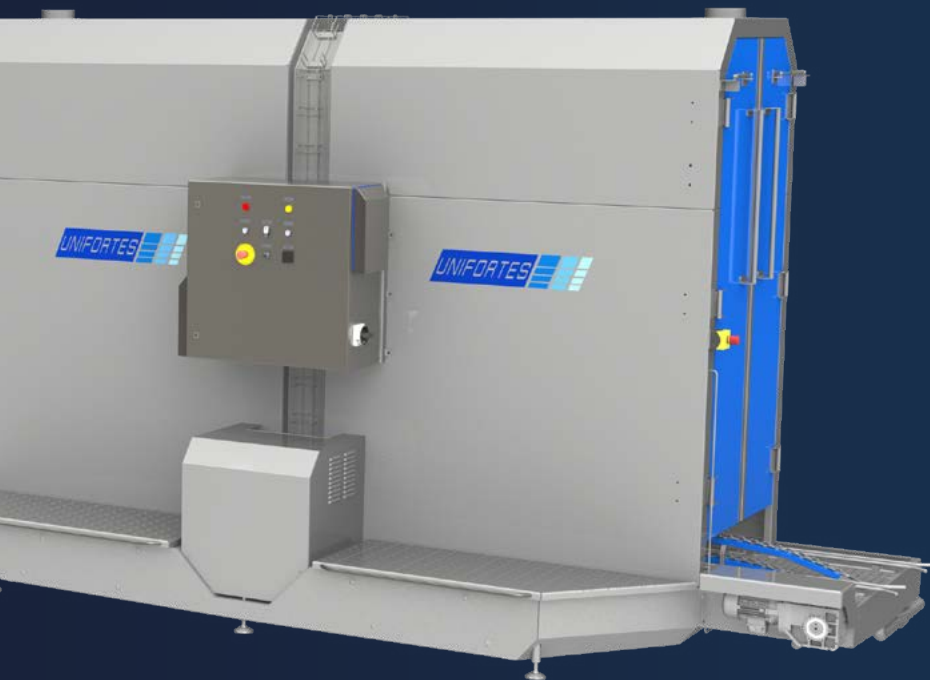


ROLL IN FOR OPTIMAL HYGIENE

# TROLLEY WASHERS

Used in a wide range of areas, the Trolley Washer is compatible for every hygiene standard and capacity requirement. Our cart washers are constructed out of stainless steel and have an open design which simplifies the use for the operator.

The unique design has a transport height of only 350mm, which makes it possible to place the machine directly on the production floor. Washing time and power are matched to the required cleaning result.





TROLLEY WASHERS

# FOR EVERY STANDARD



OUTPUT UP TO	<b>UNI-TW450.80.30</b> 40 p/h	<b>UNI-TW450.80.120</b> 40 p/h	<b>UNI-TW450.80.220</b> 40 p/h
WASH TUNNEL	3.5 meters	3.5 meters	3.5 meters
MAIN WASH	1 section	1 section	1 section
RINSING SECTION	☑	☑	☑
PRODUCT HEIGHT	0.3 meters	1.2 meters	2.2 meters
DRYING SECTION	○	○	○

VERTICAL AND HORIZONTAL PLACED

# ***PALLET & BENCH WASHERS***

Unifortes pallet washers are suitable for cleaning all types of plastic pallets and benches used in a wide range of sectors. With high demands on hygiene, both light and heavy pollution must be effectively removed. Unifortes offers systems for every hygiene standard, with capacities ranging from 50 to 900 pallets per hour. 3D simulations of the spraying patterns ensure the most optimal spraying conditions.

The Unifortes pallet washer can be equipped with a return belt, which makes one-man operation perfectly possible. Vertical or horizontal conveyance? Our solutions fit your specific requirements!





# HIGH DEMANDS ON HYGIENE



**UNI-W350.100**

**UNI-W550.100**

**UNI-W750.100**

**UNI-PW250.100**

**UNI-PW450.100**

**UNI-PW400.170**

WASH TUNNEL	3.5 meters	5.5 meters	7.5 meters	2.5 meters	4.5 meters	4 meters
PRE WASH SECTION	–	☑	☑	–	–	–
MAIN WASH	1 section	1 section	1 section	1 section	1 section	1 section
RINSING SECTION	☑	☑	☑	☑	☑	☑
DRYING SECTION	○	○	○	○	○	○
TRANSPORT	horizontally	horizontally	horizontally	vertically	vertically	vertically
ONE-MAN OPERATION	○	○	○	○	○	○
MODULAR	☑	☑	☑	☑	☑	☑



EXPERTS NEVER COMPROMISE

# CABIN WASHERS

Unifortes has a solution perfect for your operation whether you need to clean a few containers per day or hundreds per hour. We build Cabin Washers based on your needs, considering space, pollution, capacity and of course type of product.

Fully constructed out of stainless steel, our bin washer is ideal for cleaning a wide variety of wheeled bins, euro bins, tote bins, DOLAV bins and pallet boxes. The cabin washer can be executed as a stand-alone or in an automatic line. For the stand-alone cabin washer, the products are placed on the door, after which the door closes automatically and ensures that the products enter the machine at an angle. The washing and rinsing times are freely adjustable in order to set the correct cycle for the specific soiling. In-line speeds up the capacity and makes other options such as drying and filtration possible.





## CABIN WASHERS

# TURN-KEY HIGH EFFICIENCY



**UNI-CW75.75**

**UNI-CW120.100**

**UNI-PBW400.100**

PRE-WASH	☑	☑	☑
MAIN WASH	1 section	1 section	1 section
RINSING SECTION	☑	☑	☑
DRYING SECTION	-	-	○
CARRIERS	200L bins	Containers & bins	Pallet boxes



## POULTRY SPECIALS

# EGG TRAY WASHERS

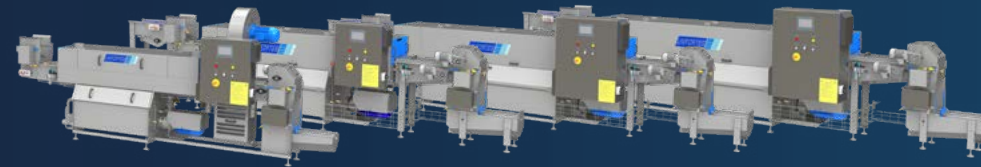
The Unifortes egg tray washers are specially designed for washing 30 cell egg trays in a delicate but efficient manner. The capacities vary between 500 to 8.000 trays per hour, to match every capacity requirement.

The egg tray washer can be equipped with a spin drying section and complete automatic stackers and de-stackers. The trays are washed individually and not in a batch, to ensure perfect cleaning and disinfection of every single tray. Place your egg tray washer stand-alone or in-line with your egg handling equipment.



EGG TRAY WASHERS

# FAST THROUGH EFFICIENCY



	<i>UNI-BW200.30ET</i>	<i>UNI-BW275.30ET</i>	<i>UNI-BW350.30ET</i>	<i>UNI-BW450.30ET</i>
WASH TUNNEL	2 meters	2.75 meters	3.5 meters	3.5 meters
MAIN WASH	1 section	1 section	1 section	1 section
RINSING SECTION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DOUBLE TRANSPORT	-	-	<input type="checkbox"/>	<input type="checkbox"/>
DRYING SECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## POULTRY SPECIALS

# EGG WASHERS

Washing eggs, when done correctly, shows a proven advantage for both egg producers and end consumers. It significantly reduces the amount of bacteria present on the shell. The Unifortes egg washer consists of a washing section, rinsing section and distinct drying systems, and can be executed with an oiler. Capacities vary from 4.000 to 288.000 eggs per hour.

To increase the output per hour, this system can be equipped with robotics and other handling systems. Use your egg washer as a stand-alone operating machine or place it in-line with your egg packers, graders or egg breaking machinery. The choice is up to you.





## EGG WASHERS

# PROVEN ADVANTAGE



**UNI-EW150.2**

**UNI-EW200.2**

**UNI-EW275.6**

**UNI-EW350.6**

**UNI-EW700.6**

	<b>UNI-EW150.2</b>	<b>UNI-EW200.2</b>	<b>UNI-EW275.6</b>	<b>UNI-EW350.6</b>	<b>UNI-EW700.6</b>
<b>WASH TUNNEL</b>	1.5 meters	2 meters	2.75 meters	3.5 meters	7 meters
<b>PRE-WASH</b>	-	-	-	-	☑
<b>MAIN WASH</b>	1 section	1 section	1 section	1 section	1 section
<b>RINSING SECTION</b>	☑	☑	☑	☑	☑
<b>DRYING SECTION</b>	☑	☑	☑	☑	☑
<b>ROWS</b>	2 rows	2,3 or 6 rows	6 rows	6 rows	6,12,18 or 24 rows



A large industrial machine with a white and blue color scheme. The brand name 'UNIFORTES' is printed in blue on the white upper section. The machine features a conveyor belt system with blue rollers and a blue metal frame. Safety features include a yellow and black striped safety fence and a 'no hand' warning sign. The machine is situated in a clean, industrial environment with other equipment visible in the background.

UNIFORTES

AIR TO SPIN DRYING

## DRYING SYSTEMS

Unifortes washers can incorporate different air and spin drying systems for the automatic reduction of moisture left on your carriers.

The forced-air systems use ventilators for reducing the moisture on your products. The ventilators cause the temperature to rise to 40 degrees Celsius and reduces the moisture on the products. The high-volume fans are placed in a stainless steel housing with water recuperation. This design keeps the possibly contaminated air outside of the installation, preventing cross contamination and maintaining the inside air temperature.

The centrifuge drying systems use high speed to force liquids to leave the washed products. This system achieves a drying result of up to 2 grams of residual moisture.





DRYING SYSTEMS

# MINIMIZE RESIDUAL MOISTURE



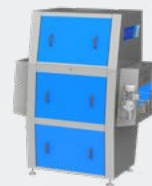
**UNI-SPIN.SA**



**UNI-SPIN.IL**

CYCLE TIME adjustable  
HANDLING P/CYCLE up to 70pcs egg trays

CYCLE TIME adjustable  
HANDLING P/CYCLE up to 65pcs egg trays



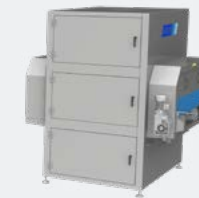
**UNI BD140.60**



**UNI D200.70**



**UNI D200.100**



**UNI D200.120**

VENTILATORS	2	2	4	4
APPLICABLE FOR	Basic washers	Industrial washers	Industrial washers	Industrial washers

UP TO 10 MICRON

## ***FILTRATION SYSTEMS***

Water use can be a substantial cost in the daily operation of your company. An efficient cleaning solution with integrated water filtration system can make a difference.

The industrial tunnel washers can incorporate different systems for automatic filtration of the wash water. Which filtration system suits your company? That all depends on the type and amount of pollution, the product carriers you're using and your product. For next level, closed wate-water systems can be integrated for the filtration of drain water. This brings your waste-water to a minimum, saves you water costs and is better for the environment.



# LOWER YOUR WATER USAGE



**ROTATING CLOTH FILTER**

**FILTRATION** up to 500µm  
**SPECIALLY DESIGNED** different filtration degrees available  
**APPLICABLE AS** as add-on to Unifortes washers



**COMPACT BELT FILTER**

**FILTRATION** up to 10µm  
**SPECIALLY DESIGNED** different paper densities available  
**APPLICABLE AS** as add-on to Unifortes washers or as stand-alone machine



**BOW SCREEN FILTER**

**FILTRATION** up to 250µm  
**SPECIALLY DESIGNED** different filtration degrees available  
**APPLICABLE AS** as add-on to Unifortes washers



**SAND FILTER**

**FILTRATION** up to 40µm  
**SPECIALLY DESIGNED** horticulture/fresh produce sector  
**APPLICABLE AS** as add-on to Unifortes washers or as stand-alone machine



**DISCOVER THE DEFINITION  
OF #CLEANINGTECHNOLOGY**

TURN-KEY SOLUTIONS

# HANDLING SYSTEMS

Unifortes' engineering team is happy to help you find the best optimum solution at a competitive price. Varying from stand-alone washers to the turn-key delivery of a fully automated washing and handling plant, we offer solutions for every situation.

ROBOTICS



(DE-)STACKING



PALLETISING



BOX- & CRATE FOLDING



CONVEYING



## CONTINUOUS OPERATION

# ***SERVICES WE OFFER***

Take advantage of service packages that help you improve performance, reduce downtime and control costs. With our remote and online connection, your machine health will be optimized and maintenance can be smartly scheduled for total peace of mind and new levels of productivity. Unifortes connected support is ready to help you to monitor machine health and proactively resolve issues so you can keep taking your cleaning to a higher level.

We offer a broad range of services to meet your needs:

- ✓ SPAREPARTS SERVICE
- ✓ YEARLY EXPERT CHECK
- ✓ REMOTE & ONLINE CONNECTION
- ✓ STAFF TRAINING
- ✓ UNIFORTES RENTAL
- ✓ TEST SERVICE



***PROVIDING CONTINUOUS  
CLEANING AND OPERATION***

SALES & SERVICES

# TEST CENTER & RENTALS

The Unifortes test center has raised the bar even higher in determining the right machine for the customer. In the Unifortes Test Center we offer the possibility to test the washing and drying results with contaminated product carriers. The word 'clean' is open to interpretation and needs to be determined together with the customer. We work with you to find the perfect cleaning solution for the job, avoiding unnecessary investments and disappointments about the washing result. Unifortes can provide laboratory and testing reports for official documentation to support and underpin investment.

The Unifortes rental program is of highest added value when a company has to process temporary or seasonal production. Tests are also carried out for rental machinery, to ensure correct machine settings and the best cleaning result. Dryers and other optional systems are also available to rent, our team will be happy to advise you.



A person wearing a white full-body protective suit and blue nitrile gloves is holding a clear plastic bag. They are standing in a room filled with blue plastic crates. The person is positioned in the center-left of the frame, with their hands raised to hold the bag. The background consists of several stacks of blue plastic crates. The floor is covered with a clear plastic sheet. The overall scene suggests a high-level cleaning or disinfection process.

***TAKING CLEANING  
TO A HIGHER LEVEL***

WORLDWIDE NETWORK

# ***WE ARE UNIFORTES***

With our worldwide network of Unifortes offices and distributors, we provide a fully comprehensive service in many countries in the world. This enables us to respond quickly and efficiently when necessary.

The service and maintenance department offers on-site service through our partners. With Unifortes connected support we can offer you remote services that reduce production downtime to an absolute minimum. Contact our headquarters for more information.

WE ARE UNIFORTES

# ***OFFICES & AGENTS***



- UNIFORTES OFFICE
- UNIFORTES AGENT

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