

**FORCHEM**



**„ IF YOU INSIST  
ON CLEANLINESS ”**

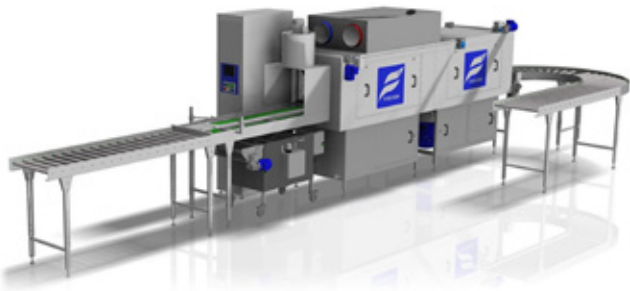
# WE ARE THE EUROPEAN LEADER IN THE MANUFACTURE OF CABIN AND TUNNEL SCRUBBERS AND PARTS



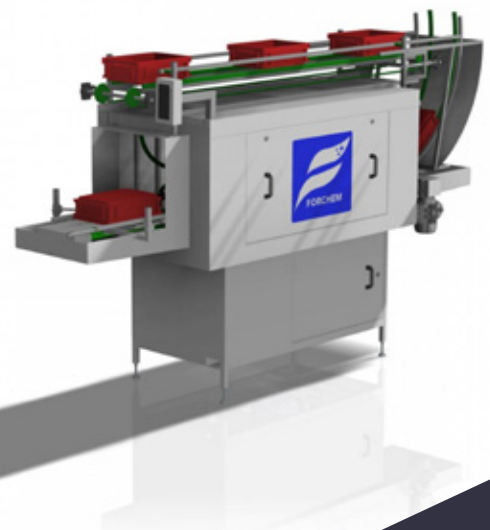
Based on 30 years of practical experience, we have developed state-of-the-art washing equipment with low water and detergent consumption, energy efficiency, low operator requirements and modular assembly. The investment provides a quick return on investment for companies looking to incorporate this technology into their operations in an economically viable manner.



Our reference machines are successfully used in the food and engineering industry in Europe. We always carry out individual research on our potential customers and then design customised machines to meet their needs.



Wherever there are industrial crates, tools, parts, FORCHEM appears, whether in the food or engineering industry.



# OUR DEVELOPED SYSTEMS



NOT ONLY CLEANS, BUT ALSO RINSES AND DRIES

After using Forchem industrial washing equipment, our partners feel that all tools, crates, boxes, parts are cleaner than after previous washings. In addition, FORCHEM equipment achieves perfect cleanliness with record speed and Swiss clock accuracy.



NOT ONLY CLEAN, BUT ALSO FAST AND ACCURATE

Forchem's industrial washing equipment prevents corrosion of metal parts and tools as rinsing, washing and, if necessary, drying are also carried out. Your tools and components will thus not only be perfectly clean, but also 100% dry. This eliminates the need for personnel to wipe down various crates, compartments, tools.



HANDLING IS ALMOST AS EASY AS SWITCHING ON THE WASHING MACHINE AT HOME

None of Forchem's industrial washers require qualifications, lengthy training or language training. Their operation can be mastered in 1 hour and in the event of running the wrong program, they do not endanger the personnel using the machine or the tools, crates and compartments being washed. The touch screen interface allows staff to use it in Slovak, Hungarian or English.



IT IS A HIGH PRESSURE MACHINE THAT WILL NOT SCRATCH YOUR TOOLS OR ITEMS BEING WASHED

Everyone wants an industrial washer that will remove years of grime trapped on tools, crates, but won't damage the surface. FOREX partners use just such an industrial washer. Many times they are even surprised that they get rid of „millennial“ dirt while maintaining the color fastness of the surface.



CLEANING EQUIPMENT, WHICH CAN BE EXPANDED

Many canneries, meat or dairy companies and bakeries complain that their existing cleaning facilities cannot be expanded. However, Forchem industrial scrubbers can be safely expanded in functionality (pre-rinse, clean, clean water rinse, drying) and performance without the need to replace the equipment.



YOU NOT ONLY GET EQUIPMENT, BUT ALSO AN EXCELLENT TEAM

FOREX partners recruit not only equipment, but also a support team of experts. Whether you ask us about features, enhancements or professional tips, you can be sure you will receive professional and clear answers, whether by phone, in person or by email.



# FEATURES AND BENEFITS

## AIR FILTRATION DOWN TO 0.5 MICRON

no dust in the hall  
clean environment

## HEATERS WITH PID CONTROL FOR CONTROLLED WATER HEATING

without carcinogenic effect  
inertial cavitation drying with pulsating air at 5 m/s  
no hot air required  
we do not dry but remove water  
we save a lot of electricity and heat (about  $\frac{3}{4}$  of the energy) compared to other technological solutions

## HIGH-EFFICIENCY COMPACT DEVICE

ready for immediate use  
saves people, saves space

## THE WASHING SOLUTION IS RECYCLED USING A UNIQUE SYSTEM THAT USES 1/5 LESS WATER AND 1/5 LESS CHEMICALS

reducing pollution

## PAPER BELT FILTER SYSTEM

reuse of washing solution  
five times less water and chemical consumption  
no contamination of the washing system  
consistent quality  
after treatment with a paper filter, the waste water can be discharged into the sewer in most cases

## SPECIAL WASHING CHEMISTRY DEVELOPED FOR OUR MACHINE

no chemical evaporation, because we wash at 40°C  
the washing chemistry does not break down into carcinogenic substances

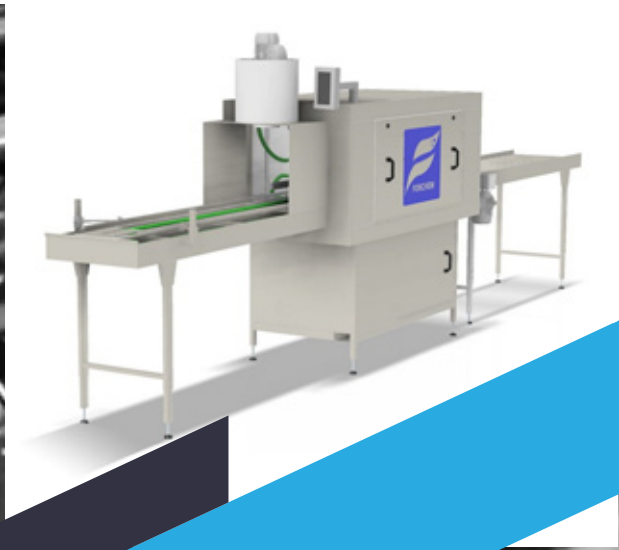
## USE OF POLYMER CHEMICALS DEVELOPED IN GERMAN LABORATORIES

substitution of passivation  
1/6 of the amount of chemical

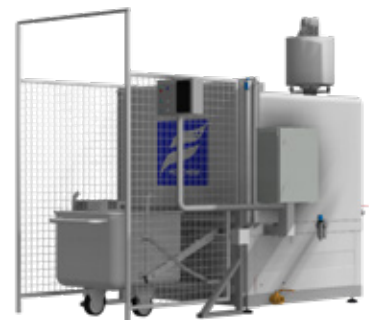
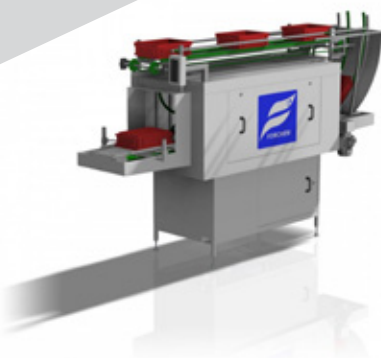


# TAILOR-MADE DEVICES

WASHING MACHINES WITH WASHING CAPACITY 50-150 PCS/H



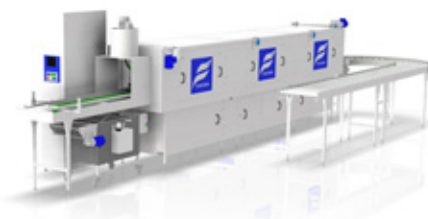
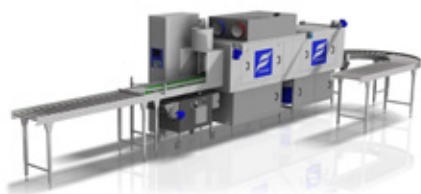
SUITABLE FOR SMALL  
AND MEDIUM-SIZED  
OPERATIONS



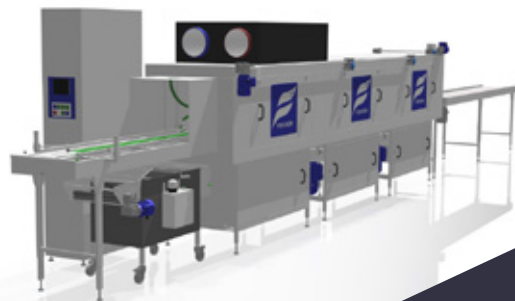
WASHING MACHINES WITH WASHING CAPACITY 150-350 PCS/H



SUITABLE FOR  
LARGE OPERATIONS



WASHING MACHINES WITH WASHING CAPACITY 350-3000 PCS/H



SUITABLE FOR  
FULLY AUTOMATED LINES





**COMPLEX HANDLING IS SOLVED BY ROLLER TRACKS AND A GROUP OF MACHINES**  
high efficiency

**WE USE ENERGY STORAGE SYSTEMS**  
high energy savings  
With 2-3 changes the payback is 6 months

**REMOTE ACCESS**  
failure is minimised  
parts only from the world's best manufacturers  
low risk of failure  
synergistically increase efficiency

**FULLY AUTOMATIC PACKAGING SYSTEM**  
precise system  
operation without people  
high performance  
one third of the foil consumption

**AUTOMATIC PACKING**  
2x faster process  
saving 2 people per shift  
replacement of 1 forklift or 1 AVG

**AUTOMATED CRATE CLOSING**  
saving 1.5 man per shift

**AUTOMATIC STRAPPING**  
saving 2 people per shift

**STAINLESS STEEL POWERED ROLLER CONVEYORS**  
predictable and traceable material movements  
unattended production

**MONITORED COMPUTER-CONTROLLED PROCESSES**  
without accidents  
minimal turnover  
motivational working practices  
Poka yoke

# WHAT CAN WE DO?



**WE SAVE OPERATING COSTS  
AND INCREASE EMPHASIS  
ON THE EFFICIENCY OF IN-  
DUSTRIAL WASHING EQUIP-  
MENT**



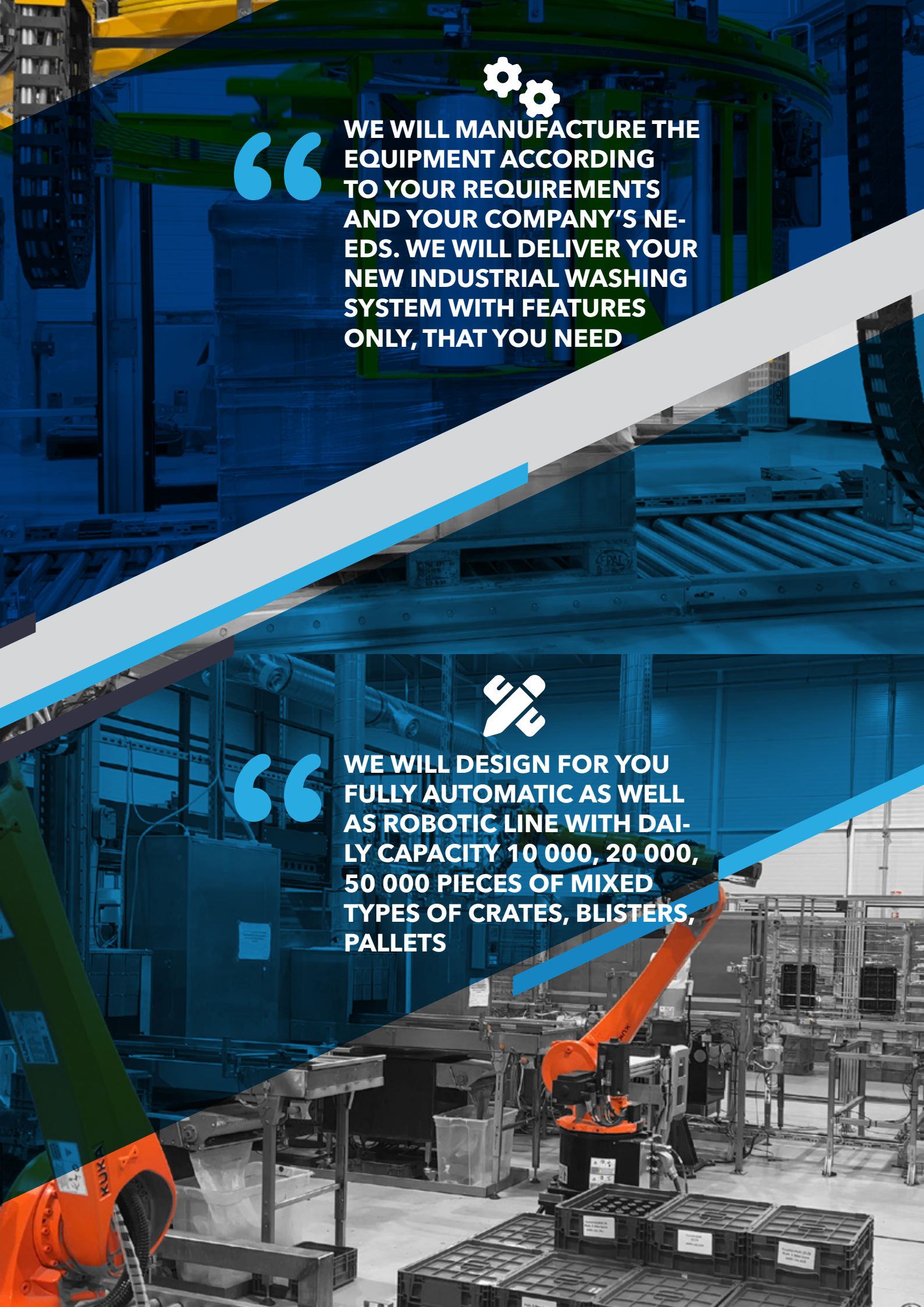
**WE ARE ECO-FRIENDLY AND  
ENVIRONMENTALLY FRIEN-  
DLY**



**WE WILL MANUFACTURE THE EQUIPMENT ACCORDING TO YOUR REQUIREMENTS AND YOUR COMPANY'S NEEDS. WE WILL DELIVER YOUR NEW INDUSTRIAL WASHING SYSTEM WITH FEATURES ONLY, THAT YOU NEED**



**WE WILL DESIGN FOR YOU FULLY AUTOMATIC AS WELL AS ROBOTIC LINE WITH DAILY CAPACITY 10 000, 20 000, 50 000 PIECES OF MIXED TYPES OF CRATES, BLISTERS, PALLETS**





**IN 1 OPERATING HOUR WE  
CAN PERFECTLY CLEAN  
AND DRY APPROX. 200-  
300 CRATES WITH SIZE  
(600X400X300) AT A CON-  
SUMPTION OF 21KW**



**THE HEAT PRODUCED DU-  
RING THE DRYING PROCESS  
OF THE CRATES IS TRANS-  
FORMED INTO HEATING  
HEAT (PRODUCTION HALLS  
AND WAREHOUSES)**

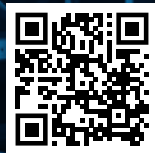
# REFERENCES



... AND MANY MORE

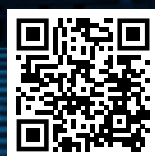
# AUTOMATION OF THE WASHING LINE

BETTER SEEN ONCE THAN HEARD A HUNDRED TIMES



scan or click

ROBOTIZATION



CONVEYORS  
WITH DRIVE



PACKAGING  
EQUIPMENT



STRAPPING  
EQUIPMENT

BOSCH  
3 F 24 00 5729



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