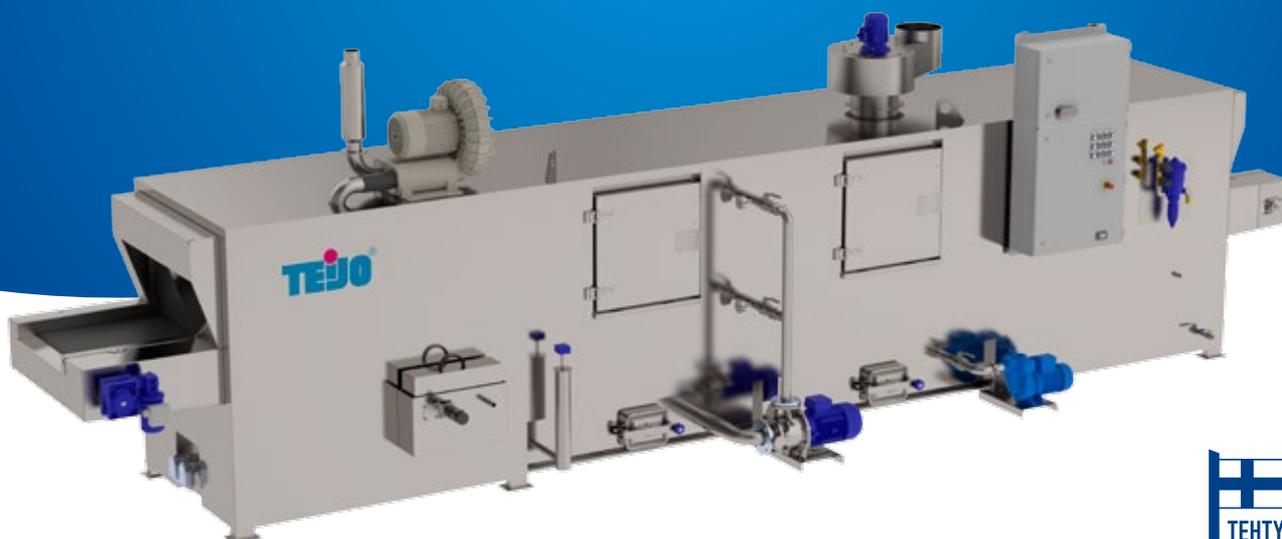


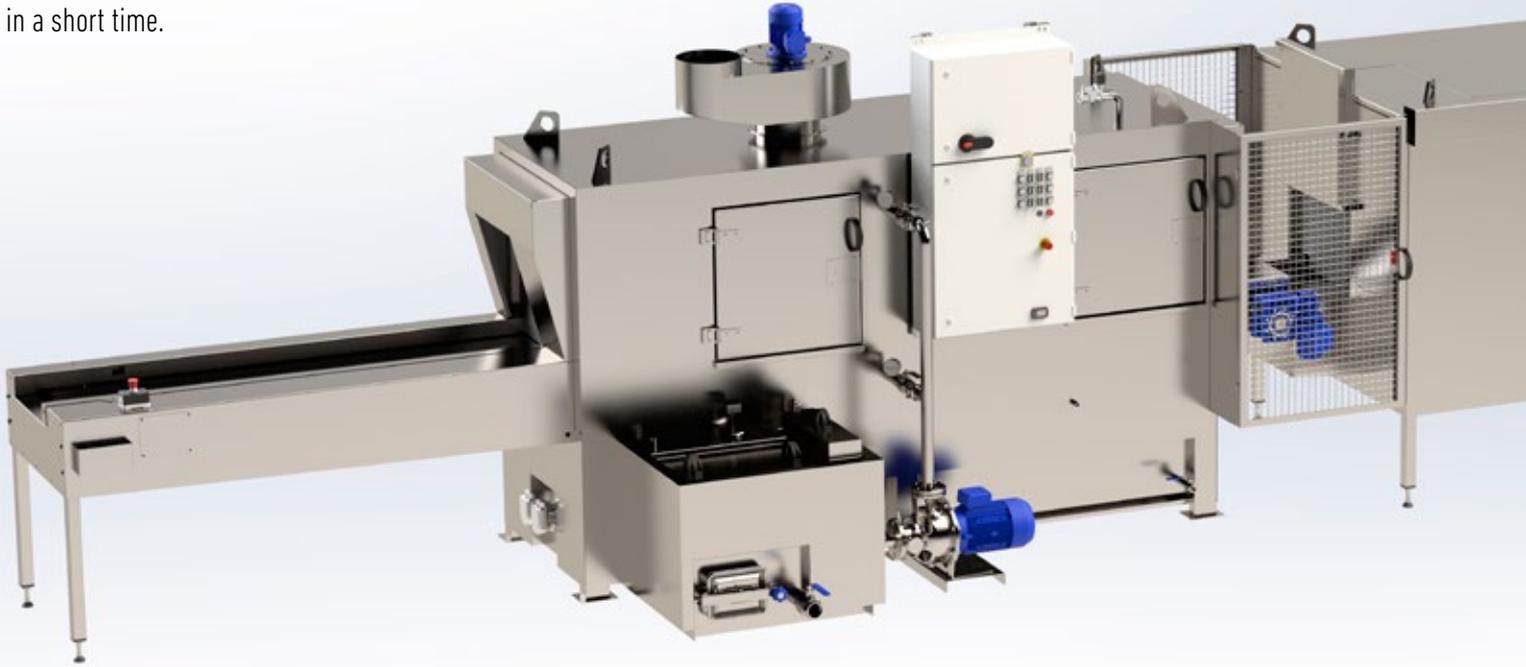
TUNNEL CLEANING MACHINES KT-series

For efficient cleaning



Why use a tunnel cleaning machine?

Tunnel cleaning machines are the best option for high capacity applications and can be integrated into production processes. Tunnels are designed according to the parts to be washed and provide continuous cleaning of a large number of similar parts in a short time.



Function and design

Our range includes single-stage systems (washing only) and multi-stage (washing, rinsing and dry-blowing or drying option).

TEIJO offers tunnel cleaning machines with a 400 and 600 mm wide inlet. The standard height of the inlet is 400 mm.

Tunnel machine can be equipped with a chain or a belt conveyor from stainless steel. Parts are placed on a conveyor by operator and they go through separated machine chambers to provide the best cleaning result.

The machines, which are manufactured of stainless steel, comprise: flushing zones; input and output zones; liquid tanks,

conveyor and heating systems. The various zones in the machine are separated from each other by partition walls. The openings are equipped with detachable rubber screens so that the liquids used do not get mixed. Each spraying zone is equipped with a fixed pipe system, through which the fluid is sprayed on the article from above, below and the sides. All used fluid passes through an effective filter with a separating rating of 600 microns.

Tunnel machines can also be integrated with different types of drying phases: dry-blowing with air nozzles or separated drying zone equipped with an air circulating unit, which is electrically heated and temperature controlled.



Closed fluid circulation

In TEIJO cleaning machines, cleaning liquid is circulated in a closed system where it is filtered and reused. The liquid consists of water and 1-5% of cleaning detergent. It is recommended to use low-foam auto-decomposable alkaline detergent. It should be specially designed for use with spray type cleaning machines and should contain anti-rust agents. The maximum temperature of washing fluid is +80°C. The service life of the liquid varies between one week and several months depending on how dirty the parts to be washed are, degree of utilization, required washing result, and filtration and oil separation systems.

Applications

- THE TUNNEL MACHINES ARE INTENDED FOR ALKALINE CLEANING AND DEGREASING OF SMALL ITEMS IN THE ENGINEERING INDUSTRY
- AS CLEANING BETWEEN TWO OPERATIONS; FOR THIS PURPOSE, SINGLE-STAGE TUNNEL MACHINES ARE MOST OFTEN USED.
- AS FINAL CLEANING AFTER THE LAST OPERATION, IN WHICH CASE TWO-STAGE TUNNEL MACHINES ARE MOST FREQUENTLY USED, OFTEN IN COMBINATION WITH DRY-BLOWING OR DRYING.
- THE MACHINES CAN BE INTEGRATED WITH PRODUCTION LINES TO AVOID UNNECESSARY INTERMEDIATE HANDLING.

TEIJO® - economical

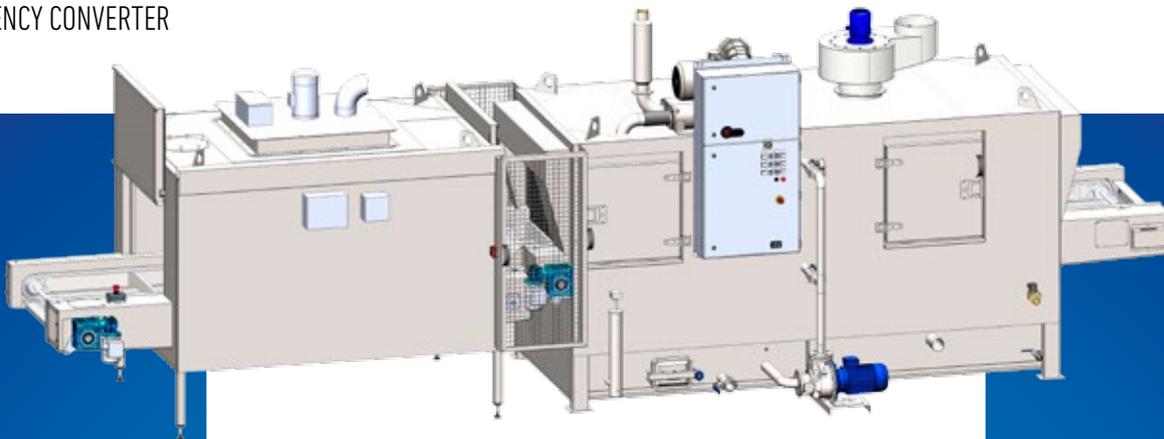
- EFFICIENT FILTERING EXTENDS THE SERVICE LIFE OF THE WASHING FLUID.
- GOOD INSULATION REDUCES HEAT LOSS.
- DETERGENT COSTS ARE LOW.

TEIJO® - safe and eco-friendly

- THE CLOSED CIRCULATION OF CLEANING FLUID IS SAFE AND ECO-FRIENDLY
- MOST ALKALINE DETERGENTS ARE BIODEGRADABLE
- THE OIL COMING OFF THE COMPONENTS BEING WASHED CAN BE SEPARATED FROM THE WASHING FLUID USING AN OIL SEPARATORS (ACCESSORY)
- POSSIBILITY OF FULL AUTOMATION OF THE WASHING PROCESS

TUNNEL MACHINES | ACCESSORIES

- STEAM EXTRACTOR
- AUTOMATIC WATER REFILL
- OVERFLOW PROTECTION
- OIL SEPARATORS
- FILTRATION SYSTEMS
- FREQUENCY CONVERTER
- DOSAGE EQUIPMENT FOR DETERGENT
- STEAM CONDENSER
- EMPTYING PUMP
- EXTERNAL CONVEYOR SYSTEMS
- DRYING SOLUTIONS



Manufacturer: **TEIJO Cleaning Machines Ltd**

Harjuntie 8

29250 NAKKILA

FINLAND

+358 2 5312 200

teijo@teijopesu.fi

www.teijopesu.fi

Marketing: