

# TUNNEL CLEANING MACHINES

KT-series

## HIGH CLEANING CAPACITY

TEIJO tunnel type parts cleaning machines offer an efficient way to wash components in different high-volume production processes. Tunnel cleaning machines are equipped with a conveyor and they are designed for continuous operation. Parts are run through the machine with speed giving the cleaning result and capacity required.

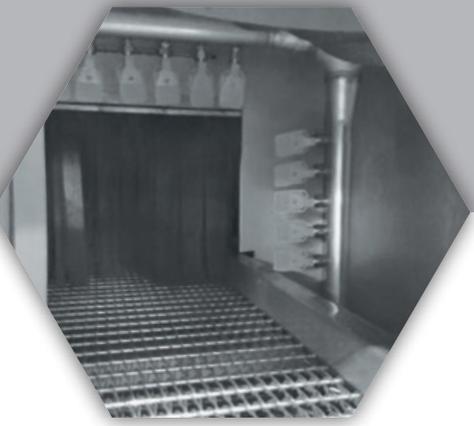




**CONVEYOR BELT**



**SPRAY ARMS**



**DRYING BLOWER**

## OPERATION PRINCIPLE

Tunnel cleaning machines wash the components effectively by spraying washing liquid through the pipes and nozzles located inside the machine. There can be one or several washing phases. A washing liquid is a mix of water and detergent. This liquid is heated to a desired temperature in the tank. The temperature is controlled by a thermostat. Tunnel cleaning machines usually have one or more rinsing phases where any excess detergent residue is removed. Tunnel machines can also be integrated with different types of drying phases.

Tunnel cleaning machines are designed according to the parts to be washed. This ensures the best cleaning result and energy effectiveness. Important criteria in design are the size of the parts, type of dirt, cleanliness requirements, speed of drying and overall capacity.

The conveyor is selected according to the size and weight of the components. Tunnel machines can be equipped with a chain or a belt conveyor. The conveyors and the machine are made both of stainless steel.

Inside the tunnel cleaning machine different phases are separated into their own chambers so that the

## TECHNICAL INFO KT-600-1-AWB

Functions	1 cleaning phase + drying blower
Length	7 200 mm
Insert	600 x 400 mm
Conveyor speed	2 m/min
Tank capacity	2 000 l
Heating power	48 kW

liquids used do not get mixed. The liquids are located in their own tanks where they are pumped back through the filters after the washing phase

TEIJO tunnel parts cleaning machines can be equipped with a wide range of extra equipment for increasing the efficiency and the ease of operation.

TEIJO offers tunnel cleaning machines with a 400 and 600 mm wide inlet. The standard height of the inlet is 400 mm. The speed of the conveyor is 500 mm/min. The length of the machine is based on the required washing result and capacity.