

INDUSTRIAL WASHING SYSTEM

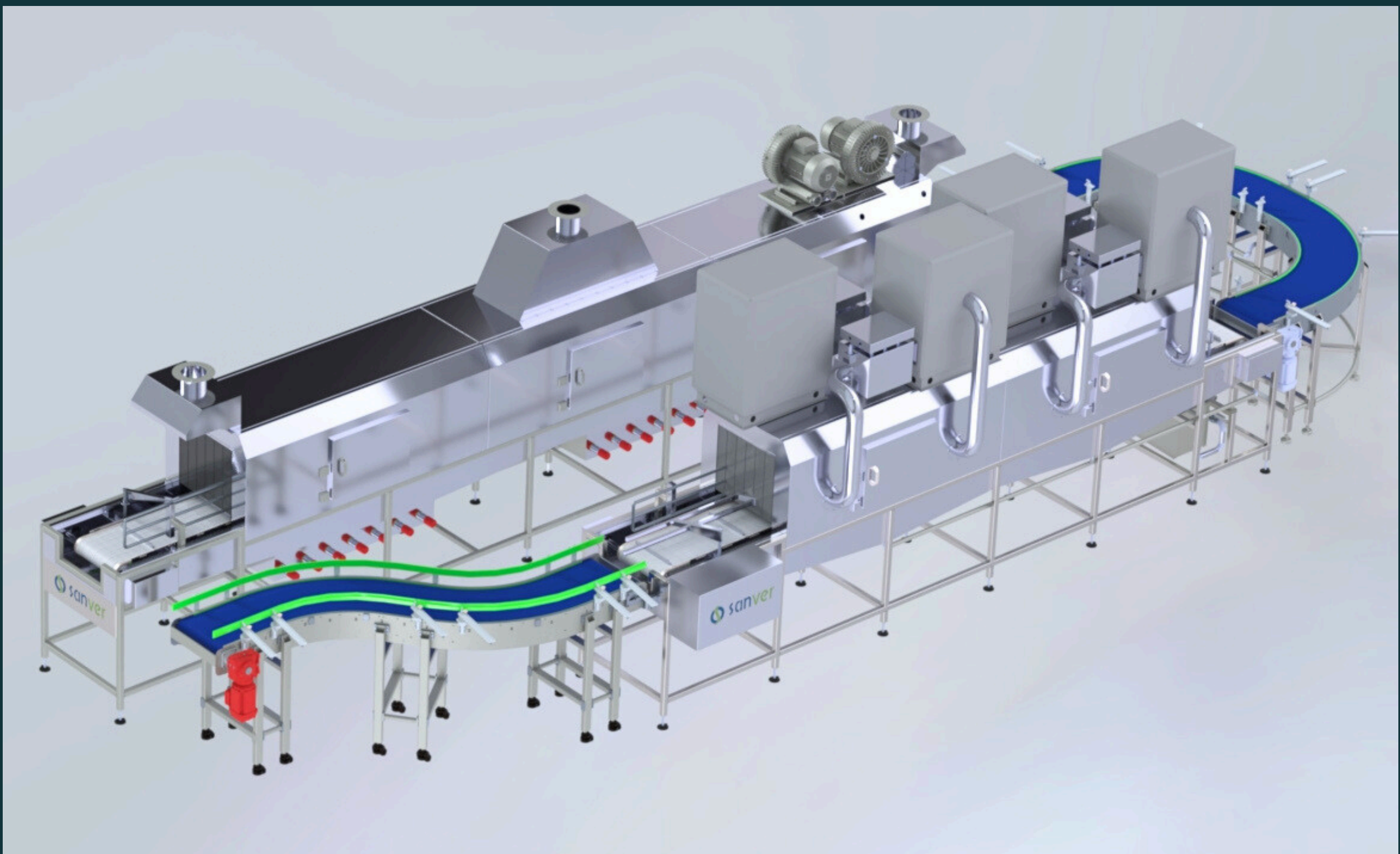
TUNNEL TYPE

The tunnel type industrial washing system is designed for continuous and automatic cleaning of high-volume parts in serial production lines.

Commonly used in the automotive, casting, and metal processing industries, this system effectively removes dirt, chips, oil, and chemical residues from parts.

Thanks to its conveyor structure, parts move uninterruptedly along the production line while the system automatically applies various washing and drying stages.

- Design suitable for continuous flow
- High efficiency and cleaning performance
- Low water and energy consumption
- Compatible with various part sizes and geometries

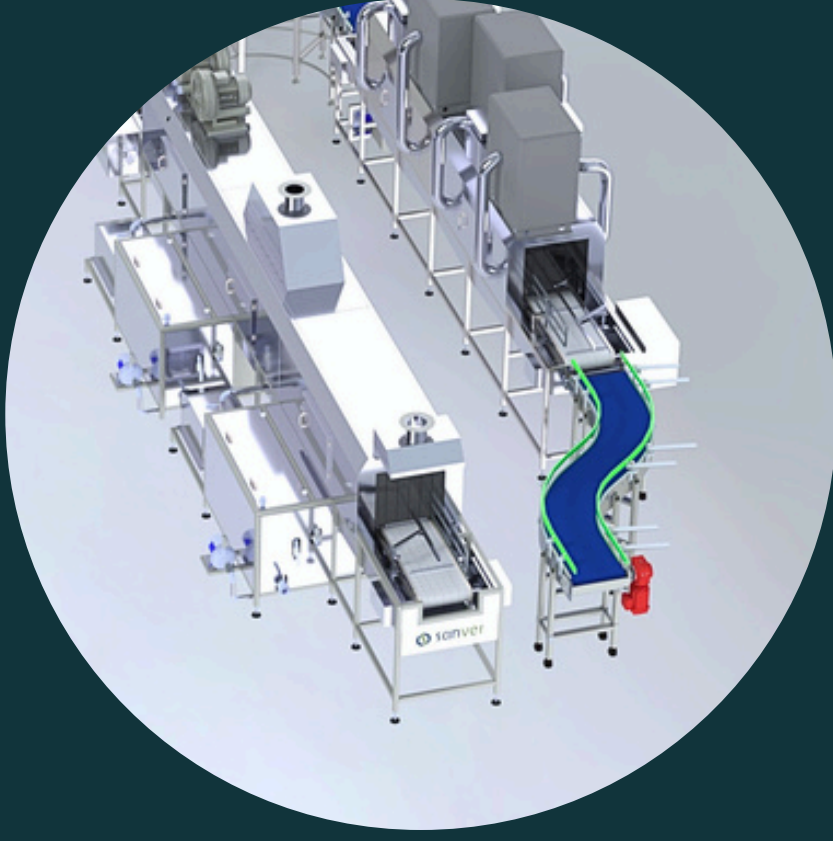


The system features a multi-stage washing structure that can be configured based on product requirements. Each module operates independently with its own circulation line and filtration system.

A typical line includes the following stages:

- 1.Pre-Wash: Removal of coarse dirt and chips from the part
- 2.Main Wash: Intensive cleaning with hot water and chemical support
- 3.Rinsing: Elimination of chemical residues using clean water
- 4.Drying: Rapid drying with high-flow blower or hot air system

- Each stage is equipped with a dedicated pump and tank system.
- Automatic control of temperature and water level.
- Number of modules can be increased based on customer needs.



Technical Specifications

Specification	Value
Washing Capacity	Depends on the material
Conveyor Type	Stainless steel wire / Plastic modular belt*
Frame Material	AISI 316*
Heating Type	Electric
Washing Temperature	60 – 75 °C *
Number of Tanks	3 – 5*
Control System	PLC + Touch Panel*
Drying System	Hot air / high-capacity blower*
Water Recovery	Multi-stage filtration system*

*(Depends on process)

REFERENCE PROJECTS

VALEO

Project: Tunnel Type Industrial Washing System
 Application: Tunnel type fully automatic washing and drying system for automotive Power Division parts
 Location: Germany

PHINIA

Project: Chamber Type Washing System
 Application: Cyclical washing of precision fuel system components inside a compact washing cabin
 Location: Turkey

STELLANTIS

Project: Vehicle Dynamic Leak Test Facility
 Application: Fully automatic dynamic water leak testing system for complete vehicles under high pressure
 Location: Turkey

TOGG

Project: Vehicle Dynamic Leak Test Facility
 Application: Robotic-controlled automatic test system for dynamic water ingress validation on domestic EVs
 Location: Turkey

TOGG

Project: Vehicle Static Leak Test Facility
 Application: Sensor-assisted leak test booth applying fixed-pressure water jets to verify sealing
 Location: Turkey



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