

ROBOCON series conveyor automatic washing machine is suitable for continuous cleaning with high output. It can include one or more stages, such as wash, degreasing, rinse, blowing, drying and complex processes such as phosphating, descaling, etc. It designed and built to measure for the client, based on its individual needs and the characteristics of the parts to be washed/degreased.



CLEANING PRINCIPLE

ROBOCON series will comprise one or multiple treatment stages. The components are loaded on a conveyor belt which conveys the pieces through the different stages of treatment. The washing and rinse method can be ultrasonic washing or spray wash. After the washing/rinse operation, followed by the drying or other stages, depending on the client's individual needs. All the processes are continuous in the ROBOCON with parts loaded at the front and unloaded at the rear.

APPLICATIONS

ROBOCON series is specifically designed for the continuous processing of high volumes of component parts. It can be used for different metal, plastics, ceramics parts to removes oil, grease, chips, mud, production slag of the surface of parts in inter-process cleaning or for precision cleaning before assembling.

TYPICAL APPLICATIONS:

- Machinery Industry
- Repair and Maintenance Industry
- Automotive, Railway, Ship, Aerospace Industry
- General Engineering Industry
- Precision Metal Industry
- Surface treatment & Processing Industry
- Medical Industry
- Printing Industry
- Food Industry



FEATURES

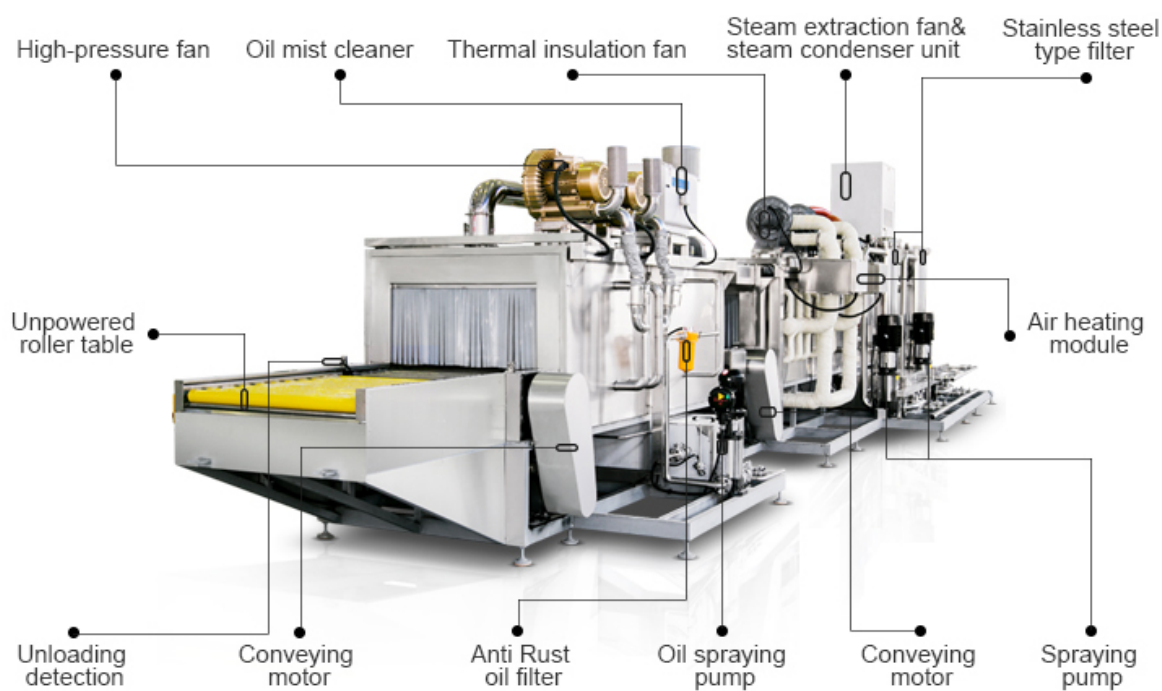
- This system is completely customized design, it can be manufactured to one or multiple stages, including pre-washing, washing/degreasing, rinse, blowing, passivate/ phosphate/descaling, drying, and/or cooling, so that they are ready either for the next stage in the manufacturing process or for dispatch.
- It is perfect for installation in any production lines, where machines have to run continuously for 24 hours.
- Parts can be washed/degreased and dried inside and outside, above and below. Ultrasonic function or accurate spraying nozzle arrangement ensures 360° coverage without blind area for excellent cleaning result.
- SUS 304 or SUS 316 stainless steel compact construction for low maintenance and long service life.
- Removable doors for easy access to internal chamber;
- Thermal & sound insulation;
- Adjustable working speed;
- Stainless steel belt in a variety of widths;
- Automatic detergent dosing available;
- Electric, gas, diesel or steam powered fluid heating;
- Parts loaded and unloaded manually or automatically;
- The parts can be placed directly on the belt, with pushers, special supports, guides, or other special fixtures, if necessary.
- High-volume precision cleaning and rinsing;
- High-efficiency drying with heated or non-heated air blow
- Oil/water separator units available;
- Oil skimmers available;
- Circulation and filtration system available;
- Steam extraction fan & steam condenser units available to recycling steam;
- PLC & HMI controls available for monitoring, programming and operation the machine and making various adjustments, such as setting the speed and temperature of the separate wash tanks.

DETAILS

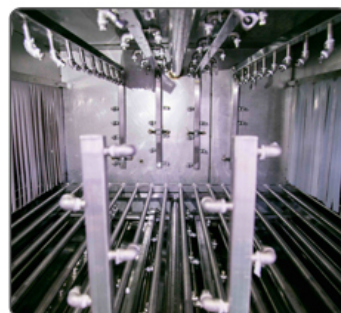
FRONT VIEW



BACK VIEW



//////////////////// **INNER OF SPRAY WASHING STATION** //////////////////////



CUSTOMIZATION PROCESS



1. Communicate the cleaning requirements.

2. Design according to requirements and quote.

3. Modify the design until satisfaction, then confirm the final design and quotation.

4. Place order and pay the advance payment.

5. Arrange the production.

CONTACT US

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