

Efficient precision **spray washing system** with conveyor for in-line or stand alone cleaning of stamped, pressed or turned parts.



The Beltline series is designed for **24/7 operation** and is the ideal solution for implementation in-line.

The Beltline series is particularly designed for **washing/degreasing parts** with a certain complexity, weight or cases where gentle handling is required.

The Beltline series has a **modular design** and can be configured with extra/less zones to achieve the required **cleanliness requirements**.

The standard configuration is a **Wash-Rinse-Drying Design**.

- **100 % stainless steel construction**
Produced with a stainless steel cabinet, tank cover, pumps and heating elements.
- **Energy optimized**
Fully insulated for energy optimization and noisereduction.
- **Siemens S7-1200 PLC control**
Control Panel Siemens S7-1200 PLC and a 7" touchscreen and process visualization.
- **Modular design**
Available with as many zones required depending on the application.
- **Adjustable machine feet**
Placed on adjustable stainless steel machine feet, and can also be supplied on wheels.
- **Integrated coarse filter**
400 micron stainless steel coarse filters in tanks.
- **CE - European Machinery Directive**
The conveyor washer is produced in accordance with the European Machinery Directive.
- **Automatic water intake system**
Electronic sensors for automatic water intake, and dry-run protection for pumps/heating elements.
- **Frequency regulated belt**
Belt speed can be regulated by a frequency setting via the touchscreen.
- **Available as a customized solution**
Available as a customized solution with conveyor systems for loading and unloading or robots.
- **Prepared for extra options**
Prepared for oil separator, extraction fan, automatic chemical dosing filtration.
- **Integrated energy surveillance module**
Including a specially developed energy surveillance module for monitoring electrical water and high pressure air consumption.
- **Neutral zone**
Integrated 500 mm neutral zone between each module to reduce cross-contamination. The neutral zone is available with a blower.

BELTLINE TECHNICAL SPECIFICATION

Technical data		
Model	400 WRD	600 WRD
Belt width	400 mm	600 mm
Length	4640 mm	5590 mm
Width	1390 mm	1900 mm
Height	1665 mm	1765 mm
Inlet and outlet height	980 mm	1000 mm
Weight	1200 kg	1600 kg
Cleaning height max	250 mm	400 mm
Belt speed	0.3-1.7 m/min	0.3-1.7 m/min
Pump flow (each zone)	250 l/min	250 l/min
Pressure (each zone)	2.5 bar	2.5 bar
Temperature	30-60 C	30-60 C
Heating effect (each zone)	18 kW	27 kW
Tank volume	300 l	550 l
Drying power	5000 l/min	8000 l/min



Options:

- Due to the modular design extra zones can be integrated
- Ultrasonic cleaning and vacuum drying
- Integration of infeed equipment
- Integration of outfeed equipment
- Oil separation option
- Coating of products



KSN has delivered Danish quality solutions for more than 30 years

- KSN is an international and successful company.
- KSN is a supplier of high-quality standard and customized washing systems.
- Together with our clients, we create complete solutions.



Improved working environment



Increased production capacity



Designed for easy servicing