

# Compact Chamber Washer The Smart One

Ecoclean 178W KVI



**ECOCLEAN**

*technology that inspires*

# Ecoclean 178W KVI

## The process

The technology embodied in Ecoclean 178W KVI systems reflects our extensive experience with cleaning equipment combining injection flood washing, spray cleaning and vacuum drying in a single chamber. With over 100 systems sold, we have amply demonstrated with the performance of this technology and the Ecoclean pilot is also optimized through many trials: With a combination of spray and injection flood cleaning, both the outer sides and the most difficult holes and cavities inside the work pieces are thoroughly cleaned.

The subsequent high-speed air blowing cycle dries off most of the adhering cleaning medium. Vacuum drying removes any residual moisture from cavities and recesses in the workpiece.



## ➤ FIELDS OF APPLICATION

- Complex-shaped workpieces on product carriers, or bulk material in baskets
- Engine parts such as cylinder heads and crankcases
- Transmission components, e.g., housings, gears, spline shafts, etc.

# Technology and Methods

## Cleaning

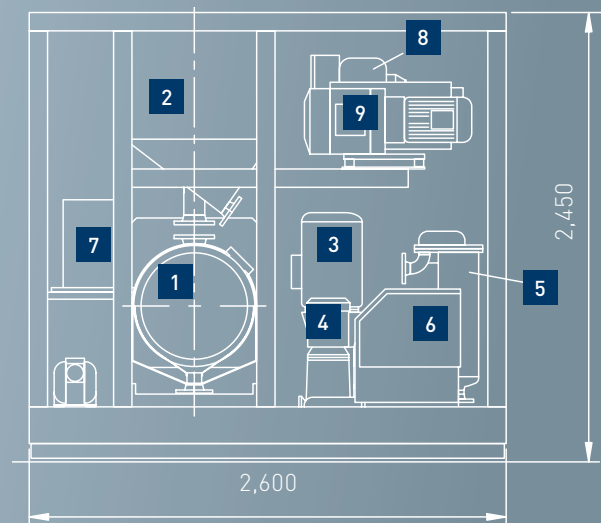
- **Flow washing:** The workpiece is flushed with a flow of the cleaning medium
- **Spray cleaning:** A spray jet of 10 bar pressure is directed directly at the workpiece
- **Injection flood washing:** The working chamber is flooded with cleaning medium. Turbulent flows are generated by a high-pressure pump via special nozzle systems. The resulting flow movements ensure that the product is thoroughly cleaned both externally and in hidden recesses and cavities

## Drying

- **High-speed blow drying:** A flow of compressed air generated by a powerful compressor is played over the charge. Workpieces are effectively dried due to the kinetic energy of this airflow. On workpieces of simple geometry, this may be enough to achieve complete drying
- **Vacuum drying:** Ensures 100% drying, even with complex shaped workpieces

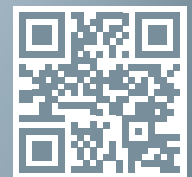
Technical data	
EQUIPMENT SPECIFICATIONS	
Length	2,600 mm
Width	1,300 mm
Height	2,450 mm
Weight	4,000 kg*
Connected electrical load	30 kVA
Throughput	approx. 10 pcs./h
WORKPIECE SPECIFICATIONS	
Length	670 mm
Width	400 mm
Height	350 mm
Weight	300 kg

\* without container filling



- 1 Treatment chamber
- 2 Tank
- 3 IFW-pump 10 bar
- 4 Return pump
- 5 Filter
- 6 Aquaclean system
- 7 Dosing unit
- 8 Side channel blower
- 9 Vacuum pump

## Our Locations Worldwide



SBS ECOCLEAN GROUP