Everest Comboclean 75-WRRD Automated, 3 Stage Cleaning Machine



Stock No	EVT500
Manufacturer	Everest
Model	Comboclean 75-WRRD
Year of Manufacture	2020
Condition	From a working environment, Excellent Condition, Current Model
Work Envelope (WxDxH mm)	Basket - 530 ï¿½ 320 ï¿½ 200mm
Process Stages	Washing, pre-rinsing, rinsing and drying
Other Info	3 Mesh baskets with a protective polymer
Location	Toulouse, France
External Dimensions (WxDxH mm)	3320 ï¿½ 2800 ï¿½ 2310mm

Description

The Everest Comboclean 75-WRRD is a compact, fully automated aqueous cleaning system, previously used in the aerospace industry and designed to perform washing, pre-rinsing, rinsing and drying within a single treatment chamber.

Parts are loaded into a rotating basket, which remains within the chamber throughout the complete cleaning cycle, reducing manual handling and providing a controlled, repeatable process.

Automation ensures each stage is performed according to programmed parameters, delivering consistent results from

cycle to cycle while minimising the potential for operator error. The single-chamber design provides an efficient and streamlined approach to automated parts cleaning.

Each tank features an independent filtration system, filtering the cleaning and rinsing solutions before they enter the treatment chamber. This helps maintain bath cleanliness and supports demanding cleaning specifications, particularly where high levels of particulate cleanliness are required.

The installation also incorporates an integrated demineralised water production unit, providing demineralised water for the final rinsing stage and helping support a high-quality, controlled cleaning process.

Cleaning Process

1. Washing by spray
2. Ultrasonic immersion cleaning
3. Rinsing by spray (tap water)
4. Ultrasonic immersion rinsing (tap water)
5. Rinsing by spray (demineralised water)
6. Final ultrasonic immersion rinsing (demineralised water)
7. Vacuum drying

During the washing and rinsing stages, the basket can be rotated to optimise cleaning efficiency.

Specification

- **Overall dimensions** - 3320 × 2800 × 2310mm
- **Basket dimensions** - 530 × 320 × 200mm
- **Number of baskets** - 3 mesh baskets with a protective polymer coating
- **Maximum load capacity** - 75kg
- **Number of cleaning tanks** - 3 tanks of approximately 300L
- **Process of tanks** - Washing, tap water rinsing and demineralised water rinsing
- **Integrated demineralised water production unit**
- **Ultrasonic power** - 2 × 1.000 W - Ultrasonic frequency: 30 kHz
- **Tank filtration** - Independent filtration system for each tank
- **Heating elements** - All 3 tanks are equipped with 7.5 kW heating elements
- **Control panel** - SIEMENS S7 PLC with touchscreen HMI
- **Construction** - Stainless steel construction (AISI 304, with AISI 316L ultrasonic transducers)

The machine has been out of operation since 2024 and is in very good overall condition, having been regularly maintained by MICROSEMI.

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.