

MecWash Maxi 1000



Stock No	DF1612J
Manufacturer	MecWash
Model	MAXI 1000
Year of Manufacture	2011
Serial	M548
Condition	Seen working by RSW, Excellent Condition, Current Model
Work Envelope (WxDxH mm)	600 x 1000 x 600mm
Process Stages	Multi Stage (See below in Options Box)
Other Info	Charge Weight 200Kg's.
Location	Our Central Warehouse, Aldridge, UK
Weight (kgs)	2750
External Dimensions (WxDxH mm)	4200 x 2400 x 2700mm

Description

The Maxi 1000 is a fully automatic, highly customizable, self-contained aqueous cleaning system that meets the highest aerospace, automotive, and hydraulic industry cleanliness standards.

- Ideal for cleaning large individual components or smaller components with high volumes, the Maxi has a cleaning chamber that measures 600W x 600H x 1000Deep. For larger single components or smaller parts with higher volumes thus providing 360 Litres of cleaning volume per cleaning cycle.



- The Maxi's highly versatile single chamber rotational cleaning system features an ultrasonic wash & rinse, immersion wash & rinse, purge blow off dry, hot air dry, and vacuum dry for complex components. MecWash aqueous technology cleans without solvents or emissions and is effective for large and small components, components with complex geometries, components that require special fixturing, or it can hold high volumes of components retained in the large wash basket each cleaning cycle.
- The Maxi wash chamber can be configured in many ways. All can thoroughly penetrate and saturate the workload using the ultrasonic wash, followed by a flood wash, full rotation of the workload at between 2-10 RPM exposes all surfaces to the wash and rinse solutions to ensure effective cleaning, draining, and drying. Alternately, delicate components can be cleaned using a program setting of oscillation, which gently tips the components from side to side.
- For complicated components with extremely high cleanliness requirements, the ultrasonic wash process is followed by a flood and spray wash, an ultrasonic rinse, a flood and spray rinse, and a high velocity hot air dry cycle. If necessary, a vacuum dry cycle can follow the hot air dry. Vacuum drying is effective for pulling water out of blind holes and long machined passages where water may otherwise be retained due to capillary effect. Total cycle times range between 3 to 20 minutes, depending on the specific components to be cleaned. Lastly, for companies concerned about using a water-based cleaning process to clean iron and steel components, MecWash aqueous chemicals are uniquely formulated with rust inhibition to prevent corrosion for up to two weeks after cleaning, regardless of the season.

Options to upgrade

- One option would be to design and manufacture a fixture that would sit in the drum, utilising the rear feed but with nozzles that would provide a spray.
- Another option would be to just use the machine as it is but modify the program use the existing nozzles but keep the drain open. Therefore, it would not flood, or modify the manifold, so that spray nozzles can be fitted to increase the spray pressure.
- This machine is also equipped with a central rear wash and rinse option which can be used in conjunction with the standard washing programmes to give additional cleaning options including spray washing and rinsing using specially adapted spray bars and nozzles which can be fitted to this machine as an option.

(Please ask for details).

Multi Stage Cleaning, rinsing and drying.

- Ultrasonic Washing.
- Flood Washing.
- Ultrasonic Rinse.
- Flood Rinse.
- Purge air drying.
- Hot Air Drying.
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Vacuum Drying.

Additional Cleaning Power (Additional Spray Booms required)

- This machine is fitted with a rear central cleaning system.
- Central feed spray wash.
- Central feed spray rinse.
- Purge air drying.

Tanks

- Recirculating wash tank capacity = 1400Litres.
- 36kW heating elements.
- Cartridge filter 30µm.
- Recirculating rinse tank capacity = 1100Litres
- 36kW heating elements.
- Cartridge filter 30µm.
- Aqua save capacity 50 Litres.

Ultrasonics

- 3 x Generators at 2000W per generator.
- 25kHz.
- 3 x Rod transducers.

Invertors

- Hot air dryer blower motor.
- Wash pump motor.
- Rinse pump motor.
- Drum drive.

Services

- 400Volt, 50Hz, 3 Phase & Earth.
- 160A.
- Pneumatics - Min 5 Bar, twin air supply.
- Water Mains supply at 3 -5 bar min flow 25L/Min.
- Steam extraction 6" diameter flue connection if no condenser is supplied.

Additional Features

- Chemical dosing pump.
- Waste drum.

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Machine Datasheet



- Air venting.
- Coalescer.
- Demin water metering units.
- Aqua-Save system.
- Full set of manuals.

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