

## MecWash 3 Stage Solo 400 Cleaning Plant with Aqua-save 10 Water Recycling Unit



Stock No	<a href="#">DB1434</a>
Manufacturer	<a href="#">MecWash</a>
Model	Solo 400 + Aqua-save 10
Year of Manufacture	March 2008
Serial	M479
Condition	From a working environment, Good Condition
Work Envelope (WxDxH mm)	400 x 600 x 400
Process Stages	Wash, Mist Rinse, Hot Dry + Cooling
Other Info	Capacity 300L : Charge weight 100Kgs
Location	Our Central Warehouse, Aldridge, UK
Weight (kgs)	1000
External Dimensions (WxDxH mm)	1560 x 1600 x 2700

### Description

The MecWash SOLO 400 is a compact intense basket spray wash, Mist rinse, Hot air dry with cooling tunnel for cell or line applications.

- MecWash are true experts in the process of washing, to ensure the perfect finish in challenging applications. The machine is both highly efficient and robust, thriving in tough industrial environments.
- MecWash serves many of the leading names in engineering, in sectors such as aerospace, automotive, defence,

medical, motorsport and general engineering.

- MecWash apply very high volumes of water through open nozzles to produce a heavy spray/flood washing process that penetrates and cleans masses of small parts in baskets or complex parts in specialised fixtures.
- Full rotation of the workload exposes all the component surfaces, machined holes, recesses and galleries to the process solutions and provides effective draining and drying.
- Parts with simple geometries can also be gently oscillated from side to side.
- While many components can be cleaned in simple baskets, complex parts may require a tailored fixture providing dedicated jetting of specific areas such as oil, fuel and gas ways, galleries and deep blind machined holes which ensures fast, effective and consistent cleaning.
- The process concludes with high velocity air drying to ensure rapid removal of water from the cleaned components

## **INTER-STAGE PARTS WASHING & DRYING SYSTEMS**

- Developed for the aerospace, defense, medical and other precision industries where the manufacture of complex and intricate machined or pressed parts require very high standards of cleaning, surface finish and drying. The Solo 400 removes all types of contamination such as soluble and mineral oils or greases, lapping pastes and NDT dye penetrants from sensitive alloys and other materials.
- Developed to satisfy the needs of inter-stage, in-cell and in some cases final machined component cleaning to high standards.
- The Solo parts cleaning system provides rotational washing, mist rinsing and air drying in a very compact footprint, saving on valuable floor space.
- The Solo parts washer far outperforms traditional dunk washers, rotary basket and tunnel washers for cleanliness and effective drying.

## **Features and benefits of the Solo 400 machine**

- Effective removal of preservative oils, machining lubricants, metal swarf and chips from machined Components.
- Fully enclosed - no steam and unpleasant vapours.
- Rotational high volume spray washing, mist rinsing and air drying.
- Very compact footprint, saving valuable floor space.
- Over 200 Solo Systems have been supplied to customers around the world.

## **Description Solo 400**

- Spray Wash; Mist Rinse; Hot Air Dry, plus 4th stage cooling.
- Dimensions (W x D x H) 1275mm x 1445mm x 2750mm.
- Wash Chamber Size (W x H x L) 400mm x 400-470mm x 600mm.
- Currently configured to accept 2 off 400 x 600 x 150mm baskets and trays.
- Maximum charge Weight 100 kgs.
- Wash Tank Capacity 350 litres.
- Oil separator tank 100 litres.
- Return strainer 500 µm.
- Electrical supply 400V 3ph& Earth MCB Rating 64 Amps.
- Work baskets are available at additional cost.

## **Aqua-Save 10 (Wash water recycling system)**

- Recycle 10 to 15 Litres / Hour.
- Side mounted top level sensor.

The Marketplace for Surface Technology.  
New and Used Process Equipment & Machinery.  
***Machine Datasheet***



- 3 x 3kW heating elements.
- Temperature probes.
- Process pressure regulator.
- Waste solution dump valve.

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



Surface  
Engineering  
Association

Riley Industries Ltd  
A subsidiary of Barry Riley & Sons Ltd. Director: M P A Riley, Secretary: D Hemming  
Registered in England no. 1965748



European  
Association of  
Machine Tool  
Merchants