

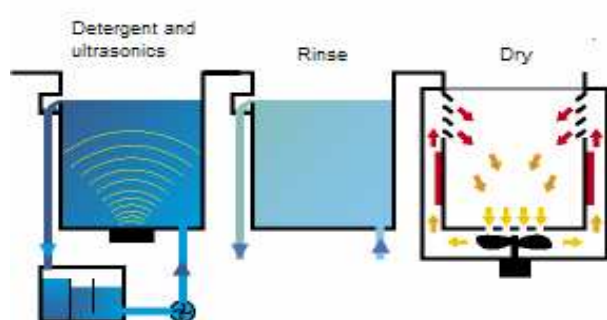
## MACHINE FILE - U3M

This is an aqueous process which is applicable to a wide range of products. Parts are transferred through a three open tanks, the first of which contains a low concentration of detergent as the main cleaning agent. The next two are a rinse and dry station.

### **Applications :**

Removal of oil, grease, particles ...  
All forms of metallic and non-metallic components

### **Principal of operation :**



### **Standard cleaning cycle :**

- 1) Ultrasonic cleaning
- 2) Mains water rinsing
- 3) Hot air drying



U3M machine with manual cover



U3M30 machine with robot and single load/unload position

## TECHNICAL FILE - U3M

**Dimensions, power rating :**

	<b>U3M15</b>	<b>U3M30</b>	<b>U3M60</b>	<b>U3M120</b>	<b>U3M180</b>
Capacity (litres)	15	30	60	120	180
Overall dimensions (mm)	250x300x200	300x400x250	500x350x300	700x400x400	900x500x400
Basket dimensions (mm)	250x200x125	350x250x175	450x300x200	650x350x250	850x450x250
Machine dimensions * (mm)	1,250x750x1,100	1,400x850x1,150	2,000x800x1,200	2,450x850x1,300	3,200x950x1,300
Heating power output (kW)	1.5	3.0	4.5	6.75	9.0
Ultrasonic power output (W)	600	1,200	1,800	2,400	3,000
Drying power output (kW)	3.0	4.5	6.0	9.0	11.0
Overall power rating (kW)	6	9	13	19	25

\* excluding conveyor and electrical cabinet

**Standard equipment :**

Ultrasonic equipment – see table for power output, frequency 25 - 40 kHz.  
 Electrical heating – see table for power output  
 Temperature control with digital display, overfill security, mounting trays  
 Tank panels – stainless steel (AISI 316 L), thickness: 20/10 mm  
 Heating tank panels – fibreglass insulation, thickness 50 mm  
 Machine frame – profiled semi-hardened steel, deburred after welding, anti-rust paint colour: grey (RAL 7037)  
 Cover panels – steel sheeting, epoxy paint, colour: grey (RAL 7035)

**Options :**

Transfer robot – see technical file *URD*  
 Automatic purge and fill, automatic tank covering, filtration system (100µm – 0,5µm), agitation system, decanter, level control, vapour extraction system, overheating security, ....  
 Stainless steel machine frame & covers  
 PLC controller - supplier: Télémécanique (Siemens or Allen Bradley if requested)  
 Process parameter display on XBT-GT screen

**Electrical supply :**

400 volts tri-phase + Neutral + Earth, see table for power rating

**Sound level :**

Estimated: 80 dBA (dependent upon options)

**Safety standards :**

Manufactured according to European Directive CEE 89392 (14/06/89) and standards 92765-92766-92767 (29/07/92)  
 CE marking