

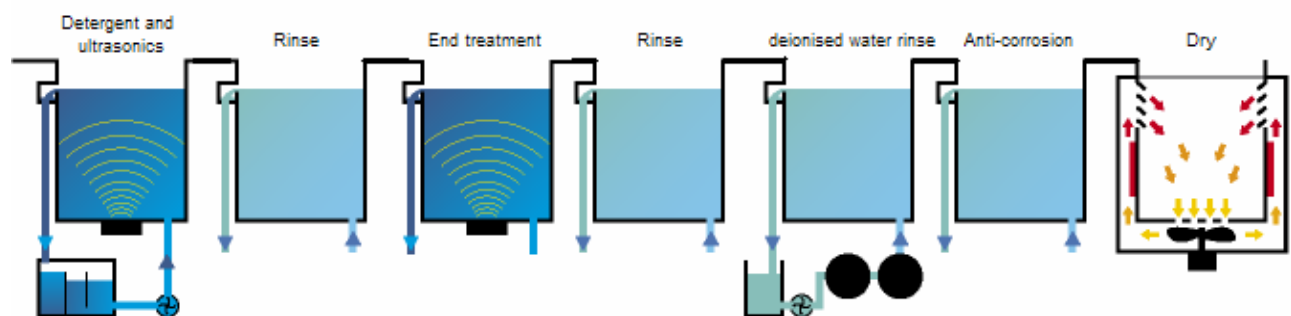
MACHINE FILE - U7M

This is an aqueous process which is applicable to a wide range of products. Parts are transferred through a number of open tanks, the first of which contains a low concentration of detergent as the main cleaning agent. This range of machines is particularly suitable for steel components since the last tank contains a corrosion protection product.

Applications :

Removal of oil, grease, particles, polishing paste, grinding paste...
Metallic machined, pressed or cast components, in particular steel

Principal of operation :



Standard cleaning cycle :

- 1) Ultrasonic cleaning
- 2) Mains water rinsing
- 3) Secondary treatment with ultrasonic agitation
- 4) Mains water cleaning
- 5) De-ionised water rinsing
- 6) Anti-corrosion treatment
- 7) Hot air drying



U7M30 machine with robot and load/unload conveyors

TECHNICAL FILE - U7M**Dimensions, power rating :**

	U7M15	U7M30	U7M60	U7M120	U7M180
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)	7.5	12	17.5	25.75	34

* 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, overflow security, mounting trays

Tank construction – 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