Novatec Ultrasonic Cleaning Line P60-5

Stock No	DE1584
Manufacturer	Novatec
Model	P60-5
Year of Manufacture	2007
Serial	CO 71 06 P14006
Condition	Seen working by RSW, Excellent Condition
Process Stages	5 Stage (See details below)
Other Info	6 Pre-Programmed System with Robotic Arm
Location	Arriving in our warehouse soon

Description

Machine Description

- The system comprises five process stages mounted in a box section stainless steel framework. The cleaning tanks and the top surround are manufactured from polished AISI316 stainless steel. The framework is clad in brushed polished stainless steel panels and doors.
- Under all wet areas of the machine are bund trays to contain water spills. Level switches in the bund trays isolate water feed to the machine and an alarm is be displayed if triggered.
- The complete system is fitted with a top enclosure manufactured from anodised aluminium, toughened glass and stainless steel. The front of the enclosure is fitted with sliding glass doors. These doors are toughened safety glass

and include safety interlocks.

- The process is automated by means a two axis robot mounted to the rear of the system. This index's the component carriers from tank to tank at the end of the programmed cycle times.
- Ultrasonic cleaning takes place in stage 1.
- After ultrasonic cleaning the components are rinsed in factory water which is fed to tank three via an in-line heating system. The rinse water is filtered continuously and for a timed period during the rinse cycle, water is added to the tank to displace existing water and thereby remove chemicals carried over from tank two.
- During cleaning and rinsing the carriers in stages 1 to 3 the carriers are oscillated vertically through 30mm to enhance the process. The oscillation speed is adjustable so that the optimum speed can be selected to remove general contaminants and particularly polishing compound.
- At the end of the tank three rinse cycle the carrier is automatically transferred to tank four where the components are rinsed in warm deionised water. This rinse water is constantly polished by circulation through activated carbon and a mixed resin bed, which remove organic an ionic contaminants respectively.
- After cleaning and rinsing, the components are dried in either stage 4 or 5 hot air dryers.

Operation Stages

1. Clean 40kHz Ultrasonics 0-70°Heating 5 stage filtration Oscillation Flow control and Weir. Max. time 10 min's
2. Rinse 40kHz Ultrasonics Ambient Oscillation Air Purge Flow control and Weir. Max. time 10 min's
3. DI rinse 0-50° Heating Oscillation Weir Overflow Max. time 10 min's
4. Hot air dry 0-90° Heating
5. Hot air dry 0-90° Heating

Machine set up

- 5 Tanks
- 2 tanks with ultrasonics, 1 wash 1 rinse.
- 1 heated, di ionised water rinse.
- 2 hot air drying tanks.
- 1 Robotic loading arm (2 axis).
- 4 Baskets.

Services

- 400/415 Volt, 50 Hz, 3 phase and neutral supply (32A)
- Total power rating 15kW
- Normal running 5kW
- Water supply (25mm or 1" BSP connection)
- Drain to foul.
- Fume extraction (300cfm through Ø150mm ducting.

Complete with the original manual and operation data from the OEM.

Notes : Novatec plastic wash automated line inc: 5 tanks – 1x wash detergent, 2x rinse & 2x drying, 40kHz Ultrasonic transducers on the detergent tank only in stainless steel framework, bunded trays, level switches, two-axis robot, programmed cycle times, purified water, in-line heating system. (2007) (machine ID: 0001518)

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