Kerry (Guyson International) Microclean multistage precision ultrasonic cleaning line.

Sorry, this machine is no longer available

We might be able to meet your requirements with other Aqueous Ultrasonic Cleaning & Washing machines.

Stock No	DX1291J
Manufacturer	Kerry (Guyson International)
Model	Microclean C450A/4
Year of Manufacture	1996
Serial	57/04/1-3/96
Condition	From a working environment, Good Condition, Ex demonstration
Work Envelope (WxDxH mm)	280 x 410 x 450
Process Stages	Multi with 4 stages
Other Info	Updated Crest Ultrasonics
Weight (kgs)	506
External Dimensions (WxDxH mm)	2050 x 1160 x 1130

Description

Manual cleaning or spray wash methods may struggle with blind holes, tube internals or difficult to reach crevices but

these problems are easily dealt with when ultrasonics are employed.

Ultrasonic cleaning works by introducing ultrasonic energy into a tank containing the cleaning solution. This energy causes minute bubbles to form and collapse within the solution, this action being called cavitation. The cavitation leads to a very gentle but highly effective scrubbing action on the component surface that loosens the contaminant.

The machine is supplied with two Crest True-sweep frequency generators with variable power and fixed step frequency control of 68 kHz, 40 kHz and 25 kHz.

The multi stage aqueous cleaning system has an automated PLC controlled carrier handling device, heated ultrasonic pre-wash, ultrasonic clean or ultrasonic rinse, final contraflow rinse and warm air dry which suits a wide range of cleaning needs in aerospace, precision, electronics and other industries.

Stages of the unit are as follows:

Stage 1

- Heated Sparge under immersion pre wash, with heating provided by thermostatically controlled heaters mounted on the tank side.
- Integral lip fume extraction
- Base mounted ultrasonics
- Low level float switch relaying low level warning message to control panel
- The sparge under immersion evenly distributed the solution across the process tank, with a pumped action supplying the agitation via the filtration circuit consisting of a coarse pot type pre filter, removable cartridge type fine filter

Stage 2

- Heated spray under immersion contra flow DI water rinse tank
- Includes digital conductivity meter enabling monitoring of the DI water quality

Stage 3

- Heated spray under immersion contraflow DI water rinse tank
- Includes digital conductivity meter enabling monitoring of the DI water quality
- Low level float switch relaying low level warning message to control panel

Stage 4

- Hot air condenser dryer
- Chamber tank, where air is drawn from the base of the tank and is passed over heating elements before being recirculated back into the chamber.

Overall Dimensions: 2050 x 1160 x 1130

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