

## MICROCLEAN 450 TECHNICAL DATA

### Dimensions (mm)

Tank dimensions (l x w x h)	325 x 450 x 350mm
Overall dimensions (l x w x h)	2623 x 1180 x 1202mm
Electrical supply	32A per ph max 415V 3ph + N + E
Framework and panels	Finished in acrylic textured paint – RAL 7037 mid grey and RAL 7035 light grey
Tanks	AISI 316 stainless steel
Work top	AISI 304 stainless steel
Pipework	Polypropylene pipework with welded joints and flanged pipe interfaces

### INCLUDED IN ALL GUYSON MICROCLEAN SYSTEMS

- Ultrasonics to Stage 1 with filtration and solution heating
- Closed loop filtration to Stage 3
- Spray under immersion undersurface jets to all wet stages
- Weir overflow to all wet stages
- PLC based control panel with touch screen LCD panel and process timers

### OPTIONAL

- Pre-cleaning module: repeat of Stage 1 specification and/or spray under immersion with oil separator
- Ultrasonics to Stages 2 and 3
- Closed loop high purity deionised water treatment to Stage 3
- Vertical agitation to all wet stages
- Double basket capacity hot air dryer
- Autotrans automation



Guyson's Kerry Microclean 450 is a four-stage ultrasonic cleaning system for use with aqueous chemistries:

#### STAGE 1 - ULTRASONIC CLEANING

with heating, spray under immersion, filtration, and optional vertical agitation

#### STAGE 2 - TOWN WATER RINSE

with spray under immersion, optional ultrasonics, optional vertical agitation

#### STAGE 3 - DEIONISED WATER RINSE

with spray under immersion and filtration, optional heating, optional ultrasonics, optional vertical agitation

#### STAGE 4 - RECIRCULATING WARM AIR DRY

with economy timer; double capacity option

The PLC-based electrical control system has a touch screen LCD panel showing actual and set point temperatures, pre-set cycle times, and any faults. An audible signal indicates completion of cycle.

Microclean systems may be operated manually or fitted with Autotrans Mk4 automation, when the PLC based control system interfaces with the Autotrans to provide fully automatic operation.

# MICROCLEAN



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Guyson Microclean systems suit a wide range of cleaning needs in aerospace, automotive, electronics and other industries.

- Four-stage aqueous process
- Pre-clean option with oil separator for heavy duty cleaning
- Deionised rinse for ionic cleanliness superior to MIL standard
- Closed loop activated carbon / mixed resin bed water treatment for removal of organic and ionic contaminants



FM 38758

ISO 9001:2008

