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18" x 24"

PC-105 Vertical Probe Card Cleaning System Specification

- GENERAL:** *Model:* PC-105 Aqueous Vertical Probe Card Cleaner
Purpose: The removal of foreign contaminants and oxides on the contact tips of vertical probe cards
Method: Cleaning is accomplished by custom recipe of direct contact of cleaning solutions and then DI water rinse with N2 drying cycle.
Recipes: System is programmable with 99 recipes of combinations of time and exposure to the different cleaning solutions, rinsing and then drying.
- MECHANICAL:** *Size:* 1114 H x 750 W x 570 D
Weight: 310 Lbs
- FACILITIES:** *Power:* 110-120 VAC - 50-60 Hz – 3 amps
Air: Clean Dry N2 2-4 Kg/cm2 - Swaglok fitting
DI Water: 2 liters/Min 1/4" - Swaglok fitting
Exhaust: 5 liters/Min – 52mm flex tube
- CAPABILITIES:** *Probe Array Size:* 70mm Max
Card Size: 450 mm Max
Cleaning Solution Consumption: 210-250 ml per cycle
Cleaning Solution Container: 500 ml x3 polyethylene
Waste Container: 20 liters – x1 polyethylene
Cleaning Time Range: 1 sec – 59 min x 10 repeats
Rinse Time Range: 1-99 sec
Dry Time Range: 1-99 min
- CHANGE OVER:** Within the same card and probe array size – No change over is needed
With different probe array size larger than standard but probe card size is same – Nozzle cover is replaced by unscrewing and installing different nozzle cover.
With both different probe array and probe card size – Nozzle cover is replaced by unscrewing and installing different nozzle cover and different probe card precising tray is used.
- MAINTENANCE:** *MTBA:* Less than 1 minute
MTBF: Greater than 1000 hours
MTTR: Less than 20 minutes
MTTA: Less than 1 minute
- ACCESSORIES:** *Tooling:* Custom Probe card precising trays. One is needed for each probe card format
- OPTIONS:** *Acid Delivery:* Optional one gallon supply bottle capability. Removes internal waste storage capability.
Nozzle: For larger probe arrays custom nozzle covers can be engineered.