



**THERMCO
T-CLEAN**



AUTOMATED BELL JAR AND QUARTZ PARTS CLEANER

The Thermco Bell Jar Cleaner is specially designed to accommodate large bell jars used on CSD Epitaxy products with etch basin to clean auxiliary chamber parts making efficient use of etch chemicals. It is simple to use with its ergonomic design and user-friendly touch screen interface.

The quartz components of the EpiPro are loaded and unloaded via double doors at the front of the cleaning chamber. The bell jar is manually placed inside the chamber using a lifting trolley. The smaller profile quartz components are loaded into the weir bath beneath the Bell Jar shelf.

The Bell Jar Cleaner is easily maintained from the front and side, with options available for door placement at the rear if preferred.

THERMCO'S BELL JAR CLEANER HAS BEEN SPECIFICALLY DESIGNED FOR CLEANING THE CHAMBER COMPONENTS OF THE EPI PRO 5000 EPITAXIAL REACTOR

PRODUCT FEATURES AND OPTIONS

- Sequential cleaning
- User definable process recipes
- Small footprint height <2500mm
- Touch screen colour HMI
- High purity materials construction
- DI water hand spray gun
- DI water rinse
- Side and rotary nozzle
- Nitrogen drying
- Base reservoir holding tank
- Chemical re-use
- Safety interlocks to protect operator
- Manual fill with Chem-ready option
- Compatible with customer Bell Jar handling cart

Cleaning solutions for Quartz and Ceramic parts to ensure maximum uptime of the EPIPPO 3000/5000

DIMENSIONS

The system can accommodate 2 sizes of Bell Jar with the following dimensions :-

Bell Jar Type A dimensions	Height: 117 cm (46") Diameter: 90 cm (35.5")
Bell Jar Type B dimensions	Height: 89 cm (35") Diameter: 74 cm (29")



Optional CDU
(from 25 to 200 litres)



PROCESS CHEMICALS

Chemicals can be manually filled and blended by the user, alternatively an optional Chemical Dispense Unit (CDU) may be selected. The optional CDU provides accurate and safe chemical delivery to the system. If this option is selected, the Bell Jar Cleaner will be 'chem-ready'.

The system design is based on standard process chemical blending, typically:

- Mixture of DI Water 35% and HNO₃ (Nitric acid) 65%
- Mixture of DI Water 50% and HF (Hydrofluoric acid) 50%

Customer specific chemistry requirements to be confirmed prior to ordering the system.



Thermco Systems is a market leading manufacturer of Semiconductor Production Equipment (SPE).

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