

CP3000

CHEMICAL
POLISHING
MACHINE



CP3000

CP3000 Chemical Polishing Machine

The CP3000 is engineered for applications demanding precise control over wafer geometry—surface flatness, parallelism, and thickness.

Designed to handle aggressive chemicals used in prime face polishing, its corrosion-resistant setup delivers high-quality results with minimal subsurface damage.



1.



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1. Logitech CP3000 chemical polishing system.
2. Control unit with intuitive touchscreen GUI and joystick control, that can be located outside the users fume cabinet.
3. Main drive unit with corrosion resistant chemical feed unit and drain tank. Gear drive arrangement with samples rotating in planet gears around a central drive.

Key Features & Functionality

- The machine consists of a main drive unit with a corrosion resistant chemical feed unit, a drain tank, and a separate control panel with joystick control, which may be located outside the user's fume cabinet if required.
- The machine contains a gear drive arrangement where samples rotate in planet gears around a central drive. A removable PVC drip tray beneath the polishing plate protects the main housing and makes cleaning easier.
- Used for the fine etch of thin and ultra-thin wafers of semiconductor materials such as Gallium Arsenide, Indium Phosphide and various II-VI and III-V compounds (for ASIC's etc).
- Also used for the fine etch polishing of electro-optic crystals.
- Compact construction means the CP3000 will fit most fume cabinets. Logitech provides a fume cabinet available to be purchased separately.
- As well as being compatible with aggressive polishing media, the CP3000 can also be used for less aggressive Chemlox polishing.
- When used in conjunction with the uniquely versatile range of Logitech high precision bonding and demounting equipment, valuable electronic wafers and similar device materials may be safely processed without fear of front side damage.

Technical Specifications

Wafer Capacity	Up to 3 X 75 mm (3") or 3 X 100 mm (4") wafers
Power Supply	220-240v, 50Hz or 110V, 50/60Hz
Fuse Rating	10A
Polishing plate diameter	356 mm (14")
Plate Rotation Speed	0 - 100 rpm (continuously variable)
Main Drive Unit (with feed system)	
Height	660 mm
Width	450 mm
Depth	415 mm
Control Unit	
Height	190 mm
Width	550 mm
Depth	320 mm
Combined Machine Weight (s)	
	42 kg



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