

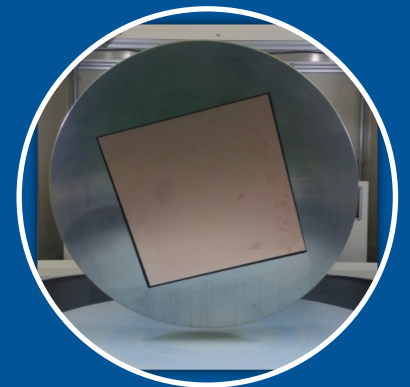
# POLI-1300 PCB Polisher



The G&P Technology POLI-1300 planarization tool is specifically designed for use in processing large format multilayer panels. The G&P POLI-1300PCB uses a large format carrier designed for use with rectangular substrates up to 530mm on a side. The rigid design of both the direct drive carrier and tool, coupled with efficient through-the-table slurry delivery, provides for efficient planarization with exceptional process uniformity and substrate-to-substrate repeatability. Using process hardware similar to that used in semiconductor CMP processing, the carrier assembly with the substrate backing film, is easy to load and securely holds the substrate in place for polishing.

## FEATURES

- 1300 mm dia. polishing platen
- 930 mm part carrier head
- Friction-free pneumatic system for down force application
- Downforce range up to 1300 kgf
- Part size range -  
Round: 915 mm max diameter  
Square: up to 510 mm sq.
- Swing arm nylon brush pad conditioner
- 30 HP polishing platen motor



The POLI-1300 features a large format carrier for rectangular substrates up to 530mm sq.

# POLI-1300 PCB Polisher

TOOL SPECIFICATION - Model POLI-1300	
Polishing platen diameter	1300 mm (51.2")
Polishing platen construction	Anodized Aluminum w/Optional Temperature Control Unit
Polishing process, part transfer, loading system	Manually load/unload Automatic polishing process step-by-step sequencing Dry in – Wet out process
Polishing cycle control	PLC Program and Touch Screen interface
Part carrier head	930 mm (36.6") diameter
Down force application	Friction-free pneumatic system
Down force range	Up to 1300 kgf - Up to approx. 7 psi on a 510 x 510 mm part
Part carrier construction	Stainless Steel
Part size range	Round: 915 mm max diameter (36") Capable of polishing typical squared PCB parts up to 510 mm sq.
Part carrier speed range	30 to 100 rpm rotational motion
Pad conditioner	Swing arm nylon brush conditioner
Polishing platen motor	22 kW (30 HP)
Carrier head motor	3.7 kW (5HP)
Oscillation motor	3.7 kW (5HP)
Oscillation distance	± 15°

DIMENSIONS		
Metric	2600W x 2700D x 2500H	
Inches	102.4W x 106.3D x 98.4H	
Weight	~4000 kg	8819 lbs

## PLATEN ASSEMBLY

- High load capacity with low deflection (Large Diameter Thrust Bearing)
- Heavy duty motor
- High-flatness
- Constant temperature control (Cooling channel embedded)
- Slurry transport holes located center of the platen

