

PLASMA DESMEARING SYSTEM 4031 / 4061 / 4081

The plasma systems series 4031, 4061 and 4081 are high-capacity production tools for use in printed circuit board manufacturing. Plasma is deployed for cleaning boreholes in mechanically drilled multilayer boards as well as for cleaning of flex-rigid and flexible circuit boards. These are superior systems for desmearing acrylic adhesive smear, for etching back of high-Tg materials and for activating Teflon®. A specially designed electrode configuration enables optimally uniform plasma effects in this equipment. PVA TePla America's unique electrode design ensures excellent treatment uniformity, not only across each board, but also from one board to another and from process to process

Process Chamber (*Inner dimensions*)

Max. load capacity: 10 pcb's 20" x 24"

Material: Aluminum

Width: approx. 800 mm

Height: approx. 775 mm

Depth: approx. 730 mm

Front chamber door with lever lock, self-sealing when closed

Process gas control

3 gas channels, each with solenoid valve and Mass-Flow-Controller

Control Cabinet (19" rack)

Width: 592 mm • Height: 2020 mm

Depth: 800 mm Power supply module

Central power supply of the individual system modules, vacuum pump, automatic fuses and motor protective switches.

