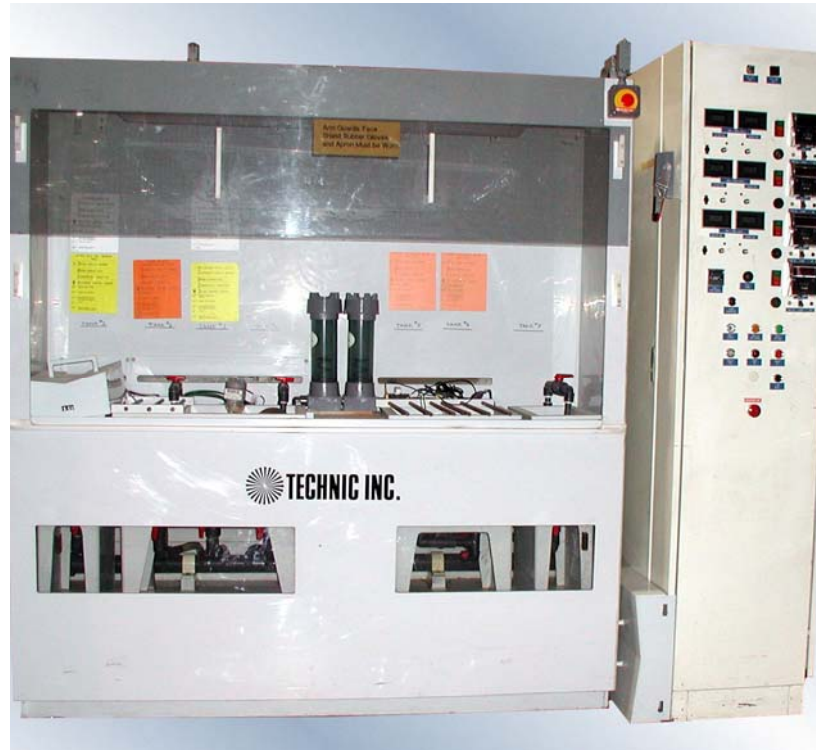


# Technic Plating Module



**Manufactured by:**

**Technic Inc.**

## **General Description:**

This module was originally designed for R&D and pilot line plating. The system contains (7) tanks, two of which are set up for plating. A stand-alone control console is located adjacent to the module.

This module is constructed from white polypropylene. It is designed for maximum accessibility to all components with smooth, unobstructed surface areas, easy to wipe clean. An integrated spill containment tub is included. Plumbing is accessible from the front of the module through sliding clear access panels.

A clear eyeshield is mounted across the front of the module for operator protection. Fluorescent lighting is located above and behind the eyeshield. An On/Off switch is mounted in the control panel.

The module features exhaust plenum slots located at the rear of the tanks. Louvers are included to adjust air flow.

Power On/Off switches are included in the control panel, along with an emergency power off switch.

## **Dimensions:**

Overall Dimension: 95" Left to Right x 36" Front to Back x 82" High (excluding the control panel)

Tank size: 6.5" Wide x 13" Long x 11" Deep

## **Process Work Flow:** Left-to-Right

### **Process Stations Descriptions:** (from left to right)

#### Station 1 - Process Tank

- Polypropylene tank with removable lid
- Process Technology brand 1000 watt Teflon spiral L-shaped heater
  - PIII over-temperature protection with reset switch
- Float switch for low liquid level heater cut-off and alarm indicating light
- Digital indicating temperature controller (CAL 9000)
  - Over-temperature alarm indicating light

#### Station 2 - Electroclean

- Polypropylene tank
- Water fill line with ball valve
- Bottom drain with ball valve
- Rear overflow weir
- DC power supply
  - x amperes, x volts
  - Current and voltage adjustment potentiometers and digital meters
  - Power On/Off switch
- (1) Anode bar and (2) cathode bars
- Digital timer with alarm

- Station 3 - Process Tank
- Polypropylene tank
  - Bottom drain with ball valve
- Station 4 - Overflow Rinse
- Polypropylene tank
  - Bottom drain with ball valve
  - Water fill line with ball valve
  - Rear overflow weir
- Station 5 - Plate #1
- Polypropylene tank
  - Plumbed to a dual stage filter system (plumbing is common with Plate #2, aka Station 6)
    - Pump On/Off switch located in control panel
  - Bottom fill line plumbed to the pump recirculation loop
  - Rear overflow weir
  - DC power supply
    - x amperes, x volts
    - Current and voltage adjustment potentiometers and digital meters
    - Power On/Off switch
  - (1) Cathode bar and (2) anode bars
  - Digital timer with alarm
- Station 6 - Plate #2
- Polypropylene tank
  - Plumbed to a dual stage filter system (plumbing is common with Plate #1, aka Station 5)
    - Pump On/Off switch located in control panel
  - Bottom fill line plumbed to the pump recirculation loop
  - Rear overflow weir
  - DC power supply
    - x amperes, x volts
    - Current and voltage adjustment potentiometers and digital meters
    - Power On/Off switch
  - (1) Cathode bar and (2) anode bars
  - Digital timer with alarm
- Station 7 - Overflow Rinse
- Polypropylene tank
  - Bottom drain with ball valve
  - Water fill line with ball valve
  - Rear overflow weir