

## **UIC Process Module #10**



**Manufactured by:**

**Uyemura International Corporation (UIC)**

## **General Description:**

This module was originally part of a larger manual plating line, which included (17) modules similar in size and configuration. These modules were designed based on a modular type concept. Each “system” is stand-alone, including its own tanks, plumbing, controls, and accessory equipment.

This module is constructed from 1/2” gloss white polypropylene. It is designed for maximum accessibility to all components with smooth, unobstructed surface areas, easy to wipe clean.

## **Dimensions:**

Overall Dimension: 75” Left to Right x 48” Front to Back x 76” High  
Tank size: 21-3/4” Wide x 24” Long x 28” Deep

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

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

#### Station 1 - Electroclean

- Stainless steel tank
- Rear exhaust
- Water fill line with ASCO solenoid and ball valve
- Bottom drain with ball valve
- Stainless steel steam heating coil with Warrick Control #3E5A
- Digital indicating temperature controller (Love Controls brand)
  - Over-temperature fault warning
  - On/Off switch with heat indicating light
- Low liquid level On/Off switch High and Low level warning lights
- SCR type DC power supply (PWR brand)
  - 150 amperes, 10 VDC
  - Current and voltage adjustment potentiometers and analog meters
  - Power On/Off switch
  - Over-current fault warning
- (1) Anode bar and (2) Cathode bars

#### Station 2 - Counterflow Rinse (1<sup>st</sup> Stage)

- Polypropylene tank
- Bottom drain with ball valve
- Receives overflow from 3<sup>rd</sup> stage (Station 3)
- Overflow weir

#### Station 3 - Counterflow Rinse (2<sup>nd</sup> Stage)

- Polypropylene tank
- Water fill line with ball valve and flowmeter
- Bottom drain with ball valve
- Side overflow to 2<sup>nd</sup> stage (Station 2)