

## PMD (UK) Manual Composite Plating Line



Stock No	<a href="#">EXC200</a>
Manufacturer	<a href="#">PMD (UK)</a>
Model	REF: PC1092
Year of Manufacture	2001
Serial	010301 / 499800
Condition	From a working environment, Excellent Condition
Work Envelope (WxDxH mm)	600mm x 500mm x 1000mm
Process Stages	7 Stations
Location	Newry, Northern Ireland, UK
External Dimensions (WxDxH mm)	5123mm long x 1500mm wide

### Description

Originally developed for research & development, this 7 stage, composite plating line delivers a refined and highly adaptable solution for specialist coating applications.

The installation is built around a modular framework using stainless steel and polypropylene, with polished white PVC drip shielding designed to manage splashes and contain process liquids. Flame retardant materials are integrated throughout the extraction system and most tank assemblies, enhancing operational safety.

For ease of operation and maintenance, the front elevation features polished black PVC sliding panels. These provide



convenient access to individual control valves and rectifier setting panels positioned at each electrolytic stage, enabling accurate process adjustment.

Component movement between stages is operator-controlled, yet the system eliminates manual lifting. An overhead runway incorporates a 125kg SWL electric hoist with powered lifting and pull-along traverse, ensuring safe and efficient handling throughout the process.

Each treatment tank is fitted with perimeter fume extraction lip hoods and sliding covers to support effective ventilation and maintain a safe, comfortable working environment. Dual heating control systems regulate immersion heaters, while integrated sprinkler ports within the extraction ducting provide provision for fire suppression.

Electrical power is supplied from a central freestanding DC unit, distributed across the line via an aluminium busbar system to ensure consistent plating performance across all stations.

A professionally engineered composite plating line combining safety, control and flexibility — ideally suited to precision development and controlled production settings.

#### **Professionally Decommissioned by Jacquet Weston Engineering**

This plating line remains fully packed & securely strapped following professional decommissioning by leading immersion manufacturer Jacquet Weston Engineering. Carefully preserved & protected, it is ready for immediate delivery to your facility for a quick & easy transition from purchase to production.

### **Summary Tank Schedule**

All tanks made of polyphenylene with internal size of 600mm x 500mm x 1000mm (WxDxH) with the exception of station 2 which is 1000mm x 500mm x 1000mm (WxDxH).

- Station 1 : Composite Plate - Heated, Mechanical Agitation, Lid, Filter Pump, Exhaust, 300A/30V Rectifier
- Station 2 : Composite Plate - Heated, Mechanical Agitation, Lid, Filter Pump, Exhaust, Common Rectifier
- Station 3 : Counterflow Rinse
- Station 4 : Counterflow Rinse - Water Source
- Station 5 : Flash Plate - Heated, Mechanical Agitation, Lid, Filter Pump, Exhaust, Common Rectifier
- Station 6 : Counterflow Rinse
- Station 7 : Counterflow Rinse - Water Source

(see full schedule attached below)

### **Plating Line Includes:**

- 1 Composite plating line
- 1 Overhead runway
- 1 Electric chain hoist
- 1 Catenary system

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*Machine Datasheet*



- 1 Rectifier 30V x 300 amps
- 3 Fume extraction vertical riser ducts
- Horizontal extraction duct sections (per pair of lines)
- GRP Flooring Support Frames (per pair of lines)
- GRP Flooring Grid Sets (per pair of lines)

**Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.**