

## PMD (UK) Manual Nickel & Alloy Plating Line



Stock No	<a href="#">EXC300</a>
Manufacturer	<a href="#">PMD (UK)</a>
Model	REF: PC1092
Year of Manufacture	2001
Serial	040301 / 499800
Condition	From a working environment, Excellent Condition
Work Envelope (WxDxH mm)	500mm x 600mm x 1000mm
Process Stages	8 Tanks
Location	Newry, Northern Ireland, UK
External Dimensions (WxDxH mm)	5337mm long x 1500mm wide

### Description

A 8 stage nickel & alloy plating line designed for precision performance, safety and flexibility, it is ideal for research, development and specialist production environments.

Featuring modular construction, the line is manufactured from stainless steel and polypropylene, clad in polished white PVC drip shields to effectively contain spills and drips within the tanks. Flame-retardant materials are incorporated throughout the extraction systems and the majority of the tanks, reinforcing safety across the installation.

Operator access is both practical and efficient. The front of the line is fitted with polished black PVC sliding doors,

allowing easy access to control valves and rectifier setting panels positioned in front of each electrolytic tank.

While components are manually transferred between stages, no manual lifting is required. An overhead runway system with a 125kg SWL electric hoist provides powered raise/lower and pull-along traverse, ensuring smooth, safe movement of workpieces along the line.

Each chemical process tank is equipped with fume extraction lip hoods and sliding lids to protect operators and maintain a clean working environment. Dual heating controls manage tank immersion heaters, with integrated sprinkler ports within the fume extraction system to enable fire suppression.

A common freestanding DC power supply distributes power efficiently along the line via an aluminium busbar system, delivering consistent and reliable plating performance across all stages.

A compact, safety-conscious and professionally engineered plating solution, developed within a research and development facility for controlled, high-quality surface finishing applications.

### **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 sulphide with internal size of 600mm x 500mm x 1000mm (WxDxH).

- Station 1 : Watts Nickel Plate - Heated, Air Agitation, Lid, Filter Pump, Exhaust, 400A/30V Rectifier
- Station 2 : Sulphamate Nickel Plate - Heated, Air Agitation, Lid, Filter Pump, Exhaust, Common Rectifier
- Station 3 : Counterflow Rinse
- Station 4 : Counterflow Rinse - Water Source
- Station 5 : Alloy Plate - Heated, Mechanical Agitation, Lid, Filter Pump, Exhaust, Common Rectifier
- Station 6 : Alloy Plate - Heated, Mechanical Agitation, Lid, Filter Pump, Exhaust, Common Rectifier
- Station 7 : 10% Sulphuric Acid - Lid, Exhaust
- Station 8 : Cold Water Rinse - Water Source

(see full schedule attached below)

### **Plating Line Includes:**

- Nickel & alloy plating line
- 1 Overhead runway
- 1 Electric chain hoist
- 1 Catenary system
- Rectifier - 30V x 400 amps

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*Machine Datasheet*



- 5 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.**