

PMD (UK) Manual Acid Plating & Anodising Line



Stock No	EXC500
Manufacturer	PMD (UK)
Model	REF : PC1092
Year of Manufacture	2001
Serial	020301 / 49980
Condition	From a working environment, Excellent Condition
Work Envelope (WxDxH mm)	600mm x 500mm x 1000mm
Process Stages	8 Tanks
Location	Newry, Northern Ireland, UK
External Dimensions (WxDxH mm)	4971mm long x 1500mm wide

Description

Originating from a specialist research and development facility, this 8 stage Manual Acid Plate and Hard Anodise Line has been configured to deliver controlled, repeatable processing within a compact and professionally engineered layout.

The system is based on a modular design, manufactured from stainless steel and polypropylene for durability and chemical resistance. Polished white PVC drip shielding surrounds the tank area, helping to contain splashes and maintain a tidy, well-managed workspace. Flame retardant materials are incorporated throughout the extraction system and across the majority of the tanks, supporting enhanced operational safety.



At the operator side, polished black PVC sliding doors run on integrated tracks, providing clear and convenient access to valves and rectifier control panels positioned at each stage. Workpieces are transferred manually between tanks, but an overhead runway system with a 125kg SWL electric hoist ensures powered lifting and smooth horizontal traverse — eliminating the need for manual handling.

Process tanks are equipped with extraction lip hoods and sliding lids to control fumes and promote a safer, cleaner environment. Immersion heaters benefit from dual temperature control, while integrated sprinkler connection points within the fume extraction ducting allow for fire suppression compatibility.

Power distribution is managed by a freestanding DC supply unit, feeding the line via an aluminium busbar system for dependable and consistent performance.

A well designed, safety-conscious multi-stage solution, ideally suited for development work and precision surface treatment applications.

Reliable performance across all stations. A compact, safety conscious and highly practical modular plating solution — built for controlled research, development and specialist production environments.

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 600mm x 500mm x 1000mm (WxDxH)

- Station 1: Hot Air Dry - Heated and Fan Circulation
- Station 2: Hot Water Rinse - Heated, Lid & Exhaust
- Station 3: Hard Anodise - Heated, Cooled, Pump Agitation, Lid, Exhaust & 300A/110V Rectifier
- Station 4: Counterflow Rinse
- Station 5: Counterflow Rinse
- Station 6: Acid Plate - Air Agitation, Lid, Exhaust, Common Rectifier
- Station 7: Acid Plate - Air Agitation, Lid, Exhaust, Common Rectifier
- Station 8: Acid Plate - Air Agitation, Lid, Exhaust, Common Rectifier

(see full schedule attached below)

Plating Line Includes:

- 1 Hot air dryer with control panel
- 1 Overhead runway
- 1 Electric chain hoist

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Machine Datasheet



- 1 Catenary system
- 1 Rectifier 100V x 300 amps
- 1 Low pressure air blower
- 1 External heat exchanger & circulation pump
- 1 Chiller Unit
- 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.