



OPTIONAL LOADER/UNLOADER

The **Streamline** range Model **MEC 1000** MECetchBOND surface treatment system

The **CEMCO Streamline Range** Pat. Pend. horizontal processor has been configured and qualified for use with **MEC™ MECetchBOND CZ-8100** chemistry at a conveyor speed of 500 – 1000mm/min.

The complete, simple to use treatment system provides a superior copper surface topography for enhanced adhesion properties between the copper and Photo Polymer coatings. The system comprises pre-cleaning, pre-dip, microetch and acid rinse stages. A number of options are available including automatic dosing, loading and unloading and higher throughput capacity.

PROCESS LINE OVERVIEW

1. Feed Conveyor with drive motor
2. Pre-Clean
3. Three-stage Cascade Wash
4. Pre-dip
5. IMEC™ MECetchBOND CZ-8100 treatment
6. Two-stage Cascade Wash
7. Acid Rinse
8. Three-stage Cascade DI Wash
9. Panel Drier
10. Exit Conveyor

EQUIPMENT SPECIFICATION

Conveyor speed	:	0.5-1.0 mtr/minute
Conveyor working widths	:	510mm and 610mm
Panel size	:	Min. 305mm x 150mm Max. 610mm width
Panel thickness	:	0.05 (inners) plus copper up to 5.0mm
Overall length	:	4920 mm
Overall width	:	1250 mm and 1287mm
Voltage	:	400V.
Frequency	:	50 Hz
Water consumption (rinsing)	:	Mains 3-6 ltr/min approx x 2 DI 3-6 ltr/min throughput dependent

FEATURES & BENEFITS

- High efficiency, non-contact, **Streamline Fluid Engines**. Pat. Pend.
- All polypropylene fabrication
- Easy access sliding covers
- Easy clean removable sumps
- 8 Roller process containment
- EPDM conveyor rollers used throughout for improved wear resistance and chemical compatibility
- All gears are manufactured from PVDF
- Direct drive, low torque transport system
- **Siemens PLC** control with touch-screen interface automatic fault detection etc.
- Installation pack including bund tray, extraction ducts, drain and water manifolds etc.
- Can be located against a wall
- Small footprint
- Low power
- Low water consumption
- Simple fast maintenance procedures
- Quick, easy access
- Flexible and rigid transport capability
- Low fluid losses
- No roller wheel marks or staining