



OPTIONAL LOADER/UNLOADER

## The **Streamline** range Model **CO-BRA BOND 1000**® Surface Treatment System

The **CEMCO-FSL Streamline Range** Pat Pend. horizontal processor has been configured and qualified for use with **OMG Electronic Chemicals Co-Bra Bond**® at a conveyor speed of 1000mm/min.

**Co-Bra Bond**® is a peroxide/sulphuric based chemistry surface treatment system comprising a simple 3 step oxide replacement process that eliminates the need for standard Oxide and DMAB (Dimethylamine Borane) reduction. The oxide surface is exceptionally resistant to scratches and handling damage. The system comprises pre-cleaning, pre-dip and Co-Bra Bond® treatment 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. Two-stage DI Cascade Wash
4. Pre-dip
5. **Co-Bra Bond**® treatment
6. Three-stage DI Cascade Wash
7. Panel Drier
8. Exit Conveyor

### EQUIPMENT SPECIFICATION

|                             |   |   |
|-----------------------------|---|---|
| Conveyor speed              | : | 1.0 mtr/minute.                           |
| Conveyor working width      | : | 510mm and 610mm                           |
| Panel size                  | : | Min. 305 mm x 150mm<br>Max. 610mm width   |
| Panel thickness             | : | 0.05 mm (inners plus copper) up to 3.2mm. |
| Overall length              | : | 4375 mm                                   |
| Overall Width               | : | 1250 mm and 1287mm                        |
| Water consumption (rinsing) | : | DI. 3-6 ltr/min x 2                       |
| Voltage                     | : | 400V.                                     |
| Frequency                   | : | 50 Hz.                                    |

### 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