



OPTIONAL LOADER/UNLOADER

## The **Streamline** range OSP Surface Treatment system

The **CEMCO-FSL Streamline Range** Pat Pend. horizontal processor has been configured as an Organic Solderability Preservative treatment system. The **Streamline's** use of non-metallic rollers permit the use of Alkaline or Acid based pre-cleaning and Micro-Etch chemistries. Cemco's unique self contained **Streamline Fluid engines** Pat Pend. allow close proximity location to the cleverly designed fluid-knife rinse heads and thereby providing short process foot-prints.

Uniformity of surface topography is achieved by means of a laminar flow movement of liquid within the **Streamline Fluid Engines** Pat Pend.. A number of options are available including automatic dosing, loading and unloading.

### PROCESS LINE OVERVIEW

1. Feed Conveyor with drive motor
2. Acid Pre-clean
3. Three-stage Cascade water Rinse
4. Micro Etch Surface prep
5. Three-stage Cascade water Rinse
6. Neutraliser
7. Three-stage Cascade DI water Rinse
8. OSP
9. Three-stage Cascade DI water Rinse
10. Panel Drier
11. Exit conveyor

### EQUIPMENT SPECIFICATION

Process speed	:	0.5 - 1.0 m/minute (higher if required)
Conveyor working width	:	510mm and 610mm
Panel size	:	Min 305mm x 150mm Max. 610mm width
Panel thickness	:	0.2mm up to 6.0mm
Overall length	:	6.5 mtr approx
Overall Width	:	1287mm
Voltage	:	400V.
Frequency	:	50 Hz.
Water consumption (rinsing)	:	3-6 ltrs/min aprox mains x 2 3-6ltr/min DI x 2 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
- 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