OPTIONAL LOADER/UNLOADER

The Streamline range

Chemical Clean Surface Treatment system

The **CEMCO-FSL Streamline Range** Pat Pend. horizontal processor has been configured as a copper surface 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 footprints.

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 configuration for single or multiple stage surface cleaning, 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. Panel Drier
7. Exit Conveyor

EQUIPMENT SPECIFICATION

Conveyor 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	:	0.05 (inners) plus copper up to 6.0mm
Overall length	:	3.8 mtr approx
Overall Width	:	1287mm
Voltage	:	400V.
Frequency	:	50 Hz.
Water consumption (rinsing)	:	3-6 ltrs/min aprox mains x 2 3-6 ltrs/min Di 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

cemco
2 Relay Road, Waterlooville
Hampshire, PO7 7XA, U.K.
Tel: +44 (0)23 9226 2120
Fax: +44 (0)23 9226 2089
info@cemco.com
http://www.cemco.com