



OPTIONAL LOADER/UNLOADER

The **Streamline** range

Model BLT 500

Immersion Silver Processor

This **CEMCO-FSL Streamline Range** Pat Pend. horizontal processor has been configured and qualified for use with **CharterMATE™** immersion silver chemistries at a conveyor speed of 300-500mm/min.

This **whole process solution** provides a dense, non-porous silver deposit that meets **IPC 4553** and ensures exceptional first pass yields, excellent soldering, and long-term reliability. The system provides cleaning, microetch, predip, plating and anti-tarnish stages. Several options are available to suit individual customer preferences including loading and unloading devices, automatic dosing, and higher throughput capability.

PROCESS LINE OVERVIEW

1. Feed Conveyor with drive motor
2. Immersion Acid Pre-Clean
3. Two-stage Cascade mains water Rinse
4. Immersion Micro Etch Surface prep
5. Two-stage Cascade mains water Rinse
6. Immersion Pre-dip
7. Immersion **CharterMATE™** Silver plate
8. Two-stage Cascade DI Wash
9. Immersion Anti Tarnish
10. Two-stage Cascade DI Wash
11. Panel Drier
12. Exit Conveyor

EQUIPMENT SPECIFICATION

Conveyor speed	:	0.3-0.5 mtr/min.
Conveyor working width	:	510mm and 610mm
Panel size	:	Min. 305 mm x 228mm Max. 610mm width
Panel thickness	:	0.5 to 3.2mm
Overall length	:	4381.5 mm
Overall Width	:	1250 mm and 1287mm
Water consumption (rinsing)	:	Mains 3-6 ltr/min aprox x 2 DI 3-6 ltr/min approx 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