



OPTIONAL LOADER/UNLOADER

The **Streamline** range **Model AS500** Immersion Silver Processor

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

This **whole process solution** provides a dense, non-porous silver deposit and ensures exceptional first pass yields, excellent soldering, and long-term reliability. Furthermore, the additional post treatment prevents creep corrosion. The system provides cleaning, microetch, predip, plating and post treatment stages. Several options are available to suit individual customers' 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 DI Rinse
4. Immersion Micro Etch Surface Prep
5. Two-stage Cascade DI Rinse
6. Immersion Pre-dip
7. Immersion **AlphaSTAR™** Silver plate
8. Three-stage Cascade DI Wash
9. Immersion Post Treatment (prevents creep corrosion).
10. Two-stage Cascade DI Wash
11. Panel Drier
12. Exit conveyor

EQUIPMENT SPECIFICATION

Conveyor speed	:	0.3 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)	:	DI 3-6 ltr/min approx x 4
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