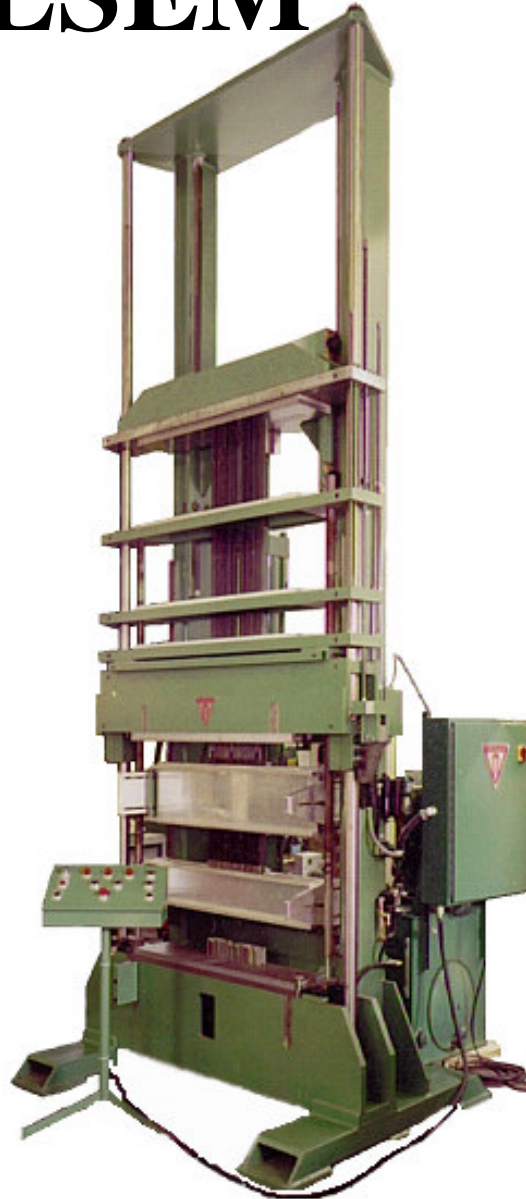


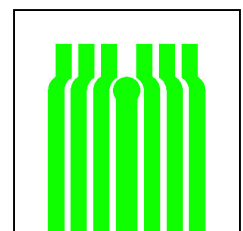
MODEL LSEM

Low Profile Single Sided Expander



The Tridan Model **LSEM Low Profile Single Sided Expander** is designed for the expansion of all tubes within a plate fin type heat exchanger. It will also simultaneously size and final bell the coil. This innovative Tridan design provides for 30% reduction in overall expander height when compared to a conventional expander with the same coil capacity.

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Customer Driven Designs

Tube Expansion

TRIDAN MODEL LSEM

The Tridan Low-Profile Single Sided Vertical Mechanical Expander, due to its extraordinary space saving features, mechanical precision and durability, has become the standard design for vertical expanders used on medium and large size coils. By reducing the required vertical headroom approximately thirty (30%) percent, a vertical expander may now be used for many of the very large coils for which horizontal expanders were formally considered as the only practical approach.

This Vertical Mechanical Expander is designed for simultaneous mechanical expansion of all the heat exchanger tubes to precise internal diameter, thus forming a secure mechanical bond between each tube, the complete finned core and the end sheet. The coil is also sized to establish the final finned core length for the correct dimension between end sheets. This tube extension beelling operation provides for insertion clearance of the return bends and other brazed coil circuiting tubes.

Each TRIDAN Expander incorporates the design knowledge and workmanship of an organization intimately aware of the particular needs of such equipment. Since 1967 TRIDAN has so improved the level of performance of the Mechanical Expander that we now see our competitors emulating such original design innovations as:

- The fully machined expander frame
- Full length adjustment screws
- Automatic work head clearance adjustment
- Quick setting air cushion height adjustment
- Quick change of expander rods from floor level with no tools
- Safety clamps on the length adjustment stop block assemblies
- Work Head Position Indicator

Standard features include a PLC control system, regenerative hydraulic cycle, quick change expander rods and final beelling tools; plus optional features like a power operated coil fixture lift table and designs capable of expanding two single row coils with a common end plate make the TRIDAN Low Profile Expander an unsurpassed industry leader in speed, capacity and technological advances.

Superior mechanical and controls design technology, rugged long-term dependability and adaptability to specific customer requirements make the Model LSEM your best choice for coil expansion.

TECHNICAL SPECIFICATIONS

Expander Height - Approximate	6 Feet + (2x Max. Finned Length)
Maximum System Pressure	3,000 Psi
Hydraulic Cycle	Regenerative
Standard Ram Speed - Expanding	23 FPM
Standard Ram Speed - Retracting	60 FPM
Power Lift Table	Optional
Coil Capacity	1 through 8 Rows Deep 48" (1219mm) Maximum Coil Width 10" thru 120" (254/3048mm) Finned Length
Pneumatic	5 Cubic Feet/Min. at 80 to 120 PSI (2 L/Sec at 5.6/8.4 Kg/cm²)

