

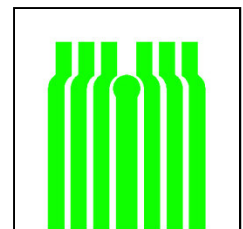
MODEL SFE

Super Flexpander



Tridan is pleased to introduce our latest development in coil production machinery. The **Super Flexpander, Model SFE**. After 20 years of proven success with the original Flexpander, Tridan's innovative design improvements make this new semi-portable expander ideal for the more specialized needs of today's coil manufacturers. An upscale drive system and new clamping technology allow the Super Flexpander to expand larger diameter tubes, more exotic materials and heavier wall thicknesses required for many of the new refrigerants. The Super Flexpander can also expand some alloys of stainless steel, aluminum/brass, mild steel and cupro-nickel.

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Customer Driven Designs

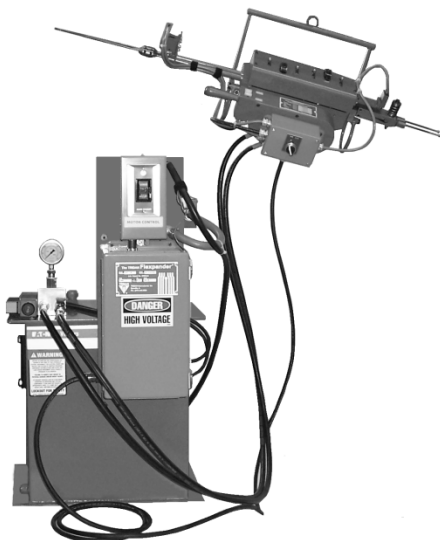
Tube Expansion

TRIDAN MODEL SFE

Tridan is pleased to present our Super Flexpander, a semi-portable mechanical expander for the production of heat transfer coils. Our most recent creative innovations in this method of expansion, along with decades of information gathered from the near perfect Flexpander design, have come together in this new Super Flexpander.

The use of highly sophisticated testing equipment in conjunction with our most advanced design CAD system has made it possible for Tridan to develop a new design concept that is so revolutionary, we now have new patent no. 5916321 for this technology.

By improving both the expander rod drive system and the tube clamping system, we have further met the needs of our customers. The Super Flexpander can not only expand larger diameter tubes, it can also expand many more exotic materials, such as aluminum/brass, mild steel, cupro-nickel and even some alloys of stainless steel. In addition, both copper and aluminum tubes can be expanded, even if they have an increased wall thickness.



Tooling for the Super Flexpander can be designed for the exact needs of each customer. As with our original Flexpander design, the tooling change is fast and simple. Full adjustability of rod length, tip size and ease of changing the clamp assemblies, add to the speed and versatility of this truly unique machine design.

Once again, Tridan has shown that superior design, advanced technology, creative engineering and our desire to exceed our customers needs, are standards that continue to make us a world leader in the manufacture of machinery and tooling for the production of heat transfer coils.

TECHNICAL SPECIFICATIONS

Tube Diameters	5/16" through 3/4"ODs (7.94 / 19.05mm)	
Tube Materials	Copper, Aluminum, Mild Steel, Cupro-Nickel, Aluminum-Brass and some Stainless Steel Alloys	
Maximum Tubing Wall Thickness (These Values are conservative—contact TRIDAN for specific requirements)	.050" (1.27mm) – Copper, ¼ to ½ Hard .050" (1.27mm) – Aluminum, ¼ to ½ Hard .050" (1.27mm) – Cu-Ni 10%, Red Brass, or Red Brass, Annealed Mild Steel or Aluminum-Brass	
Tube Center-to-Center Dimensions	¾" through 3" (19.05 / 76.2mm)	
Maximum Finned Length Expandable	111" (282cm) with Standard Expander Rods Special Rod Length Available	
Tubes Per Cycle	Two (2)	
Minimum Tube Extension	¾" (19.05mm) for All Diameters, with approximately ¼" (6.35mm) bell length.	
Outside End Sheet Required For Clamping		
Maximum Width of Adjacent End Sheet Flange Required For Clamping	1.375" (34.9mm)	
Expansion Speed		
- 60 Hz Power Supply	10 to 15 Ft / Min (3.04 / 4.56 Mtr / Min)	
- 50 Hz Power Supply	8 to 12 Ft / Min (2.43 / 3.65 Mtr / Min)	
Setup and Changeover Tim	Complete change	- 15 Minutes
	Center-to-Center Change	- 15 Minutes
	Outside Diameter Chang	- 8 Minutes
	Wall Thickness Change	- 3 Minutes