

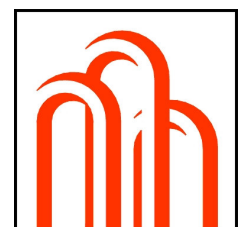
# MODEL MPE

## Rotary Pierce/ Extrude Header Machine



The Tridan Model **MPE Header Hole Pierce and Extrude Machine** is designed for use in the production of header and/or manifold tubes. With our specially designed tool and forming process we are able to make a hole that is both internally and externally collared. This wide band of contact between the inserted tube and the header provides for the strongest possible braze joint.

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*Customer Driven Designs*

Tube Benders

# TRIDAN MODEL MPE

The Model MPE-3 Header Hole Pierce/Extrude Machine was developed to meet the requirements of coil manufacturers to effectively produce high quality header tubes. The MPE-3 will produce a header tube with tube connector holes that provide the ideal brazed joint between the connecting tube and the header.

The MPE-3 provides a completely unique process for forming the tube holes in the header tube. The tube holes produced, have both an inward and outward extending flange. This configuration of the holes insures the production of headers with both extreme strength and freedom from leaks; since this dual "extruded" flange, provides a large contact area with the tube surface.

The production application of the TRIDAN Model MPE-3 is to produce tube holes in hard copper header tubing in lengths through 36" (914mm), and having outside diameters between 1/2" (12.7mm) and 6-1/2" (165.1mm).

It is a fully integrated system consisting of the Header Tube Clamping Section and Hole Forming Section. Both sections are mounted on a machined base plate, which also serves as the top of the welded-on-structed hydraulic reservoir. This over-sized reservoir is an integral part of the machine's frame, and is furnished with a liquid level gauge and thermometer, as standard equipment.

## TECHNICAL SPECIFICATIONS

Header Tube Diameters	1/2" through 6-1/2" (12.7/165.1mm)
Tube Material	Hard Copper
Maximum Standard Header Tube Length	36" (914.4mm) without repositioning
Holes per Cycle	One(1)
Header Tube Hole Diameter	One Diameter Smaller Than Tube Diameter
Productivity in Holes per Minute	12 to 18 - Pierce/Extrude w/o Resizing 10 to 12 - Pierce/Extrude with Resizing 16 to 20 - Pierce Only
Setup and Changeover Times	Index Plates - 5 to 10 Minutes Header Clamps - 10 to 20 Minutes Forming Tools - 1 to 2 Minutes

