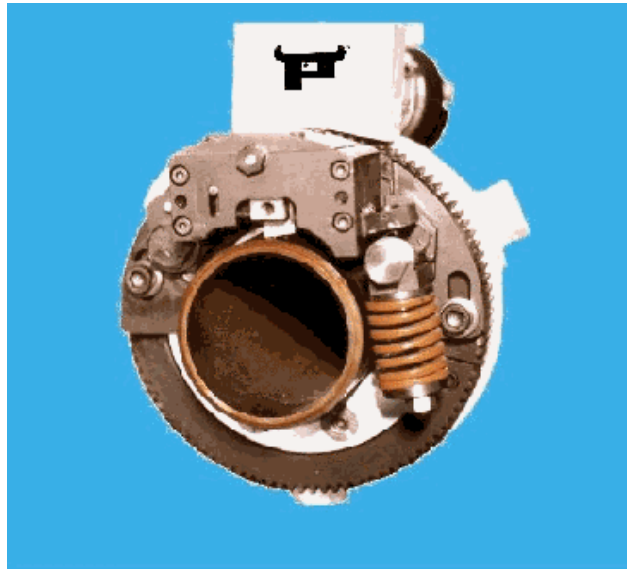




10303 Pineland Road
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Porta-Tools™

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8-1/2 R Porta-Cutter®

SIMPLE TO OPERATE

Porta-Tools 8-1/2 R Porta-Cutter is extremely simple to install and operate. The hinged split mounting frame and ring gear with manual opening and closing, permits easy, safe operation by one person, allowing the operator to place the unit around the pipe wherever it needs to be cut. The three-point manual clamping is fast and easy to adjust.

An automatic out-of-round compensating feature permits the MK I or CTC to follow the contour of the pipe, even when there is ovality present. Automatic tool feed permits non-jam operation resulting in longer tool life on all types of metals, including HK-40 and Monel.

DESIGN AND OPERATING PARAMETERS

1. Porta-Tools portable pipe cutting machines feature a hinged, clamshell type steel fabricated precision-machined frame. We prefer using steel frames because they provide maximum rigidity and a much greater useful life span while still maintaining the ability of being easily transported and operated.
2. All of Porta-Tools portable pipe cutting and beveling machines incorporate, as a standard feature, our unique gear driven cutting head with an automatic out-of-round feature that permits simultaneously cutting and beveling concentric to the pipe outside diameter. This automatic out-of-round feature only requires the operator to set-up the



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machine “near” the center of the pipe. The cutting head will then follow the contour of the pipe during the cutting and beveling operation.

3. Porta-Tools gear driven cutting head is unique in that it actually makes the pipe, which it is cutting, the first gear in the cutter head gear train. This is accomplished because the spring loaded automatic out-of-round feature maintains contact between the cutting head “register wheel” and the pipe outside diameter. Another key aspect of this mechanism is it’s automatic “no feed” mode. If the cutting tool should become dull or a chip gets trapped under the cutting tool, this mode is automatically activated when the cutting forces exceeds the spring force.
4. Concentricity and axial endplay of the rotating ring are easily adjustable with ring gear roller eccentrics.

SPECIFICATIONS

Pipe size range:	1.875 O.D. to 4.000 O.D.
Maximum rotating diameter:	8.5 inches
Air motor	1.45 hp
Power requirements:	
Air	90 PSI at 48 CFM
Hydraulic	1200 to 1500 PSI at 12 to 15 GPM
Est. shipping weight with air motor:	70 lbs
Pipe centering and clamping mechanism:	Three independently adjustable jaws
Continuous tool travel (wall thickness):	.43”