



TRI TOOL INC.

TRI TOOL INTERNATIONAL INC.

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TRI TOOL INC.
PRELIMINARY TECHNICAL SPECIFICATION
MODEL ELLIPTICAL MANWAY MACHINE
JULY, 2000

MODEL ELLIPTICAL MANWAY MACHINE

The Elliptical Manway Machine has been designed to reface the sealing surface of an elliptical manway.

Design and Operating Features

The precision bearing surfaces stabilize the rotating head to provide long life, low maintenance, and stability.

The auto-feed sprockets provide .006" (.15mm) / .012" (.30mm) of radial feed per revolution of headstock.

The drive gears and bearing surfaces are covered for operator safety and are sealed to provide protection from dust and chips.

A modular design concept provides quick, easy maintenance and maximum versatility in the drive and tooling options.

A custom template can be used for rough surface manways.

For most applications, tracking the ID of the manway , if the surface is smooth , is acceptable.

Specifications

Capacities:

- a. A maximum of .030" (.76mm) of material can be removed at one time.
- b. The machine is designed to cut manways of:

11 3/4" x 15" (298.5mm x 381.0mm)
12" x 16" (304.8mm x 406.4mm)
12" x 18" (304.8mm x 457.2mm)
14" x 18" (355.6mm x 457.2mm)
with up to 3.50" (88.9mm) wall.

- c. The machine has 3.75" (95.3mm) of tool bit cutting travel, 3.75" (95.3mm) radial tracking, and .25" (6.4mm) of tool bit depth adjustment.
- d. The machine has set-up fingers which locate on the existing surface of the manway. These insure the correct location of the tool holder in relation to the surface to be machined.

Drive System:

- a. Inline Pneumatic Motor

Speed Control:

- a. Flow control Valve

Weight:

- a. 103 lbs (47Kg)

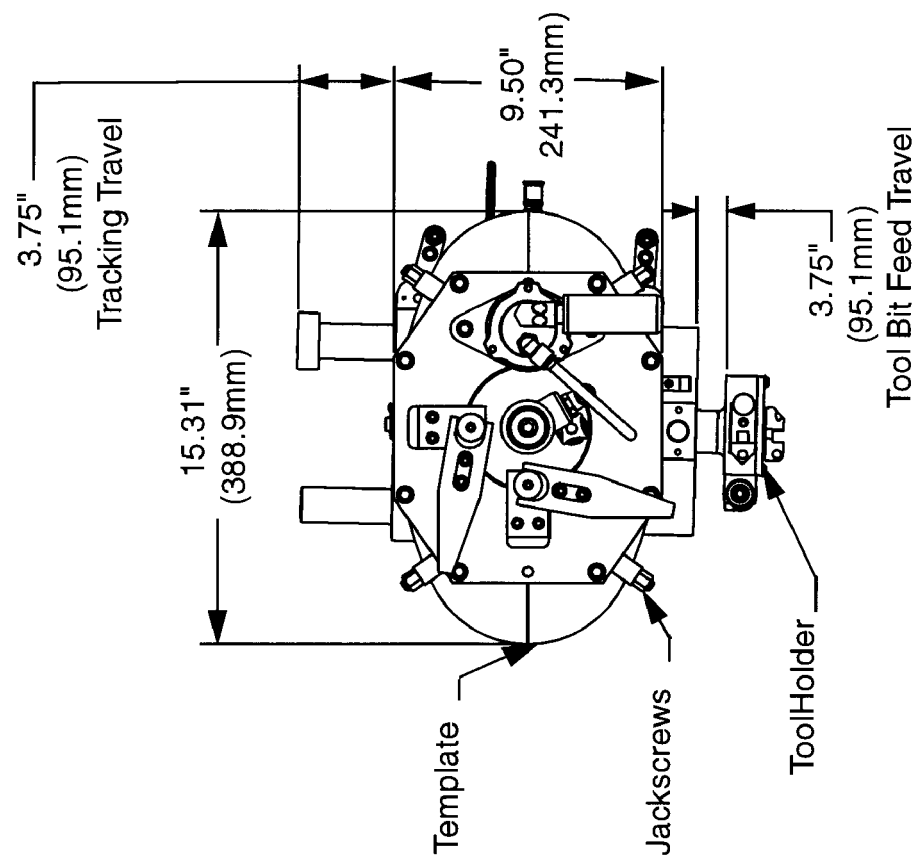
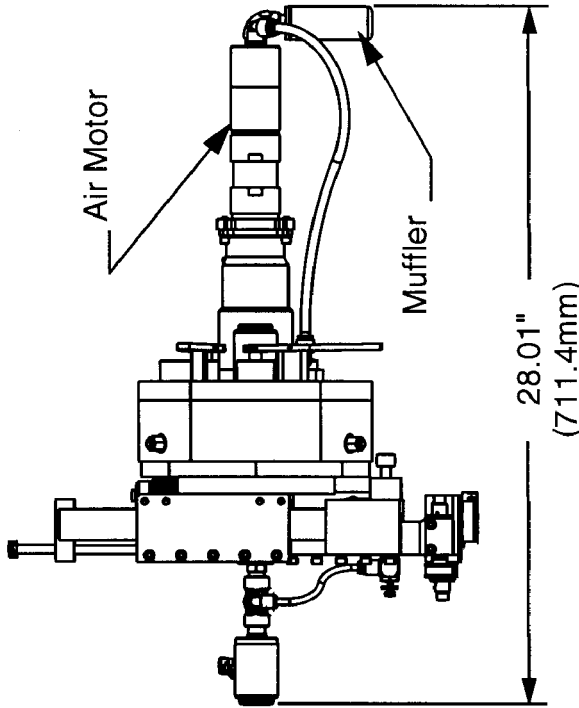
Spare parts and standard tool bits are available from stock.

Engineering design services for custom tool bits and special function modifications are available from the factory.

All Tri Tool and allied equipment products are subject to design improvements and specification changes at any time with no obligation to units already sold.

Warranty (limited), parts and/or equipment are warranted against defects in material and workmanship for a period of five years from date of purchase. Full details supplied on request and/or with tools.

Filter, regulator, lubricator required to protect warranty on air powered tools



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APPROVALS	DATE
DRAWN J BROWN	07/11/00
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TRI TOOL INC
 3806 SECURITY PARK DRIVE, RANCHO CORDOVA, CA 95742

ENVELOPE DRAWING

ELLIPTICAL MANWAY MACHINE

SIZE	SOLID WORKS DWG. NO.	REV.
A	77-1389	

SCALE 1/1 CAD MODEL: SHEET 1 OF 1