

TECHNICAL SPECIFICATION MODEL 576AC SEVERMASTER™ SYSTEM

The Model 576AC SEVERMASTER™ severs 2" (50.8 mm) to 6.63" (168.3 mm) diameter tubes and thin wall pipe within the size range. This machine enhances productivity by incorporation of an Auto-Cycle Tool Module and Quick Lock Collet Closure.

The Auto-Cycle Tool Module incorporates a cam cycle tool bit feed mechanism which automatically returns the tool bit to the home position ready to start the next cut. The tool module also allows setting the start and finish cut positions to minimize the cycle time. The feed increment per revolution is adjustable to match the cutting relative to the material. A variable speed motor provides cutting speed control for tool bit life and ID burr condition. The Quick Lock Collet Closure mechanism actuates the collet with a single lever stroke for simple collet changes.

Tool bit options are available to minimize the burr on the mounting side or the drop-off side of the sever line and in different edge widths to match the tube wall thickness. The tool also incorporates mounting features to allow use of an SQM-2AC Tube Squaring Module for optimum burr free ends.

The Model 576AC SEVERMASTER™ comes complete with:

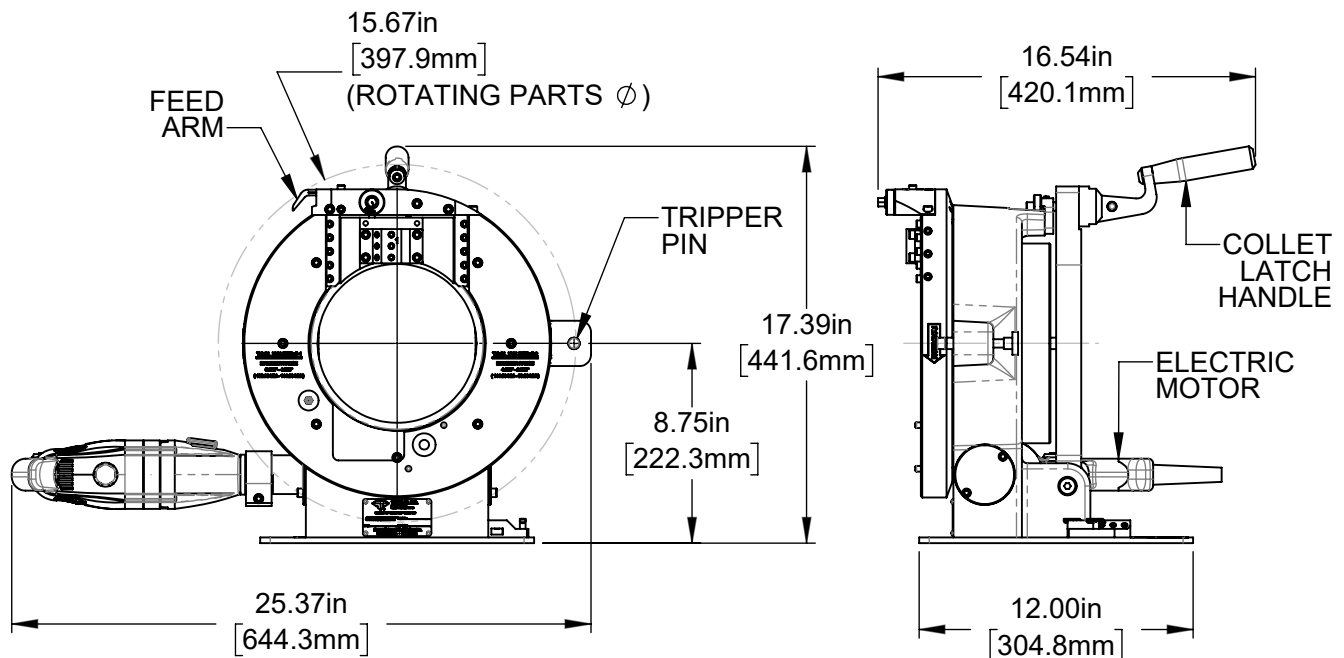
- Model 576AC Sub-Assembly
- Electric Motor Assembly
- Bench Stand
- Severing Bit
- Wrench Kit
- Operator's Manual

Design and Operating Features

- The 576AC accepts its own torque through the collet clamping system.
- The collet provides accurate centering and full diameter support for minimum distortion of thin wall tubing.
- Gear-driven power head rotates on a precision ball bearing system.
- Single lever actuation of collet.
- Gears are all enclosed for operator safety.
- All tools needed for operation are provided with the system.

Specifications

Reference Envelope Drawing No. 77-1516



Weight

90 lbs. (40.8 kg)

Pipe Cutting Capacities

Part-Off or Sever

2" (50.8 mm) - 6" (152.4 mm) Pipe

Schedules 10

2" (50.8 mm) - 6.63" (168.3 mm) diameter Tubing

Up to .156" (3.96 mm) wall

Material Cutting Capabilities

- Mild steels, chrome steels (Rc 35 max.), stainless steel, copper-nickel alloys and aluminum without limitations except size and wall thickness as specified.
- Inconel and some other high temperature alloys may require special procedures as a function of wall thickness and type of end preparations. Contact Tri Tool Technologies' Engineering Department for details.

Electric Drive

110 VAC, 50/60 Hz, 9.6 A

220 VAC, 50/60 Hz, 5.7 A

Pneumatic Drive System

Available on request

Cutting Head Speed (Electric)

Maximum Cutting Head Speed

77 RPM

Feed

Autofeed system adjustment from .001" (.02mm) to .005" (.13mm) per revolution.

Mounting

Manually actuated collet clamping system.

Note To The Customer

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 Technologies 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 equipment are warranted against defects in material and workmanship for a period of one (1) year from date of purchase. Full details supplied on request and/or with the tools.



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