



TECHNICAL SPECIFICATION

THE TUBE SAW

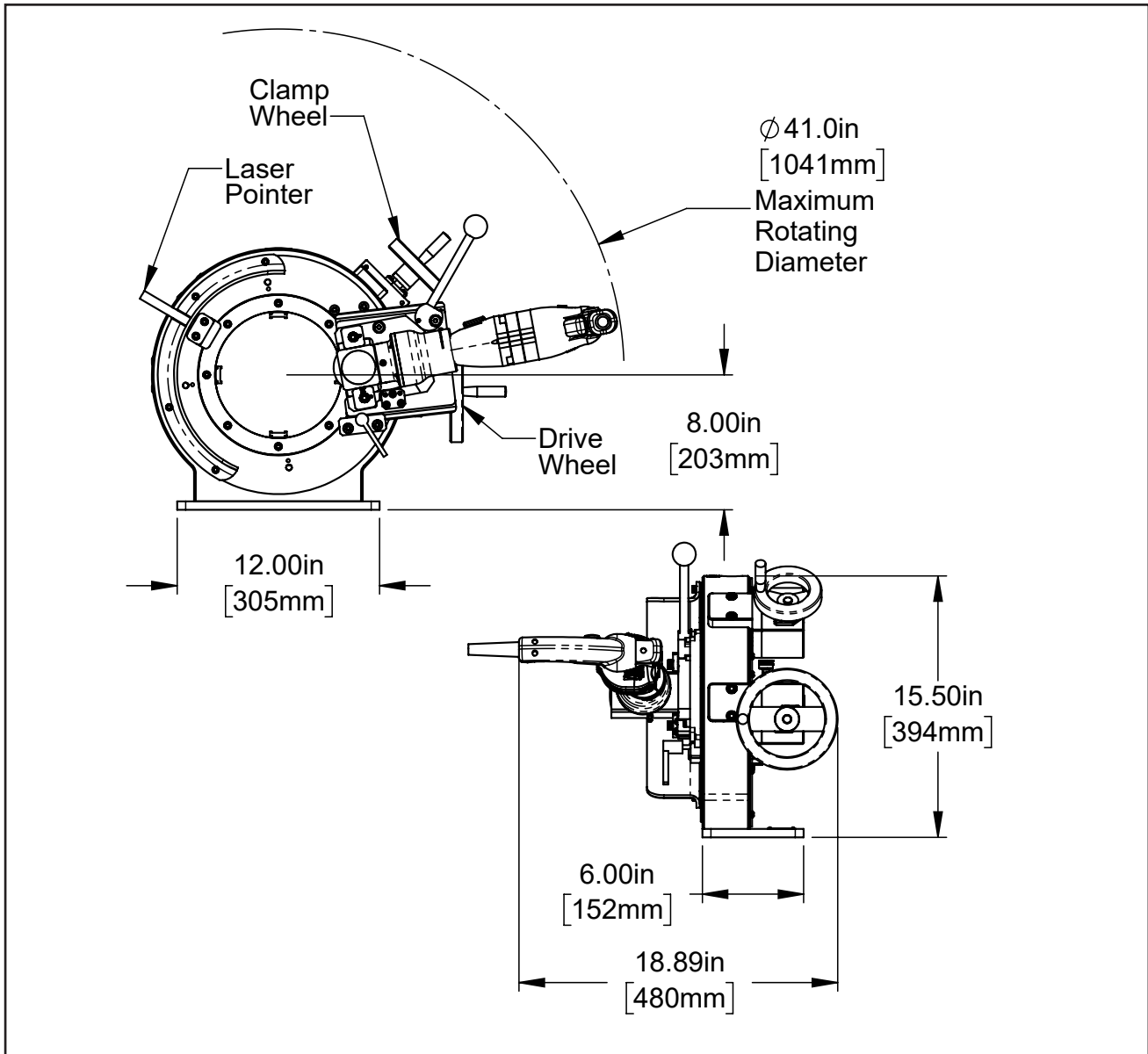
Tri Tool's THE TUBE SAW is a table mounted OD clamping machine designed to swiftly and easily clamp and sever tube and pipe. The machine is designed to cut 1/4" to 6" tube and 1/8" to 6" pipe, and every size in between. It is capable of cutting thin wall stainless steel from .035" to .150" (schedule 10 pipe). The machine enhances productivity by nature of a one pass cut and ability to change material diameters quickly with no tools. The saw passes around the perimeter of the material to be cut after the plunge cut. The design of the cutting head provides a square cut with high quality surface finish. The jaws clamp securely to the material being cut and self-lock to prevent loosening. Jaw extensions to hold smaller materials snap in place.

A variable speed motor provides cutting speed control for long blade life and material finish. Feed handle is geared to prevent operator from overrunning the cut yet provide smooth and effortless control. Different blade diameters and tooth counts are available for different wall thickness and materials.

Design and Operating Features

- Quick change 4-jaw clamping system holds material firmly.
- Handwheels provides operator with smooth precise rotation.
- Saw position changes for tube sizes done with a single lever, no tools required.
- Saw plunge for cut initiation with a single lever.
- Handwheel drive & clamp location can be changed for operators' preference.
- Laser line quickly aligns cut line to sawblade.
- Enclosed drive train for operator safety and lubricated at the factory for service free maintenance.
- Base plate slot mounts to optional standard pipe stand.

Clearance and Dimensions
Reference Drawing No. 77-1865



Specifications

Tube and Pipe Cutting Capacities

- 1/4" to 6" tube, up to .150" wall
- 1/8" to 6" pipe, schedule 10

Material Cutting Capabilities

- Stainless steel, 304 and 316
- Carbon steel

Weight

- Cordless 80 lbs (36.3 kg)
 - Corded 76 lbs (34.5 kg)
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Drive System

- Electric Motor, 40 volt cordless. 110 charging station
 - Electric Motor, 110 VAC, 50/60 Hz, 9.6 A
 - Electric Motor, 220 VAC 50/60 Hz, 5.1A
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Saw Blade Speed

Cordless Motor:

100 to 280 RPM

Corded Motor:

Low Range: 30 to 180 RPM

High Range: 85 to 515 RPM

Material Mounting

Manually actuated 4 jaw clamping system with toolless quick change extensions.

Feed

Manually driven face plate rotates around material.

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 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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