



Updated 9/13/2024

TECHNICAL SPECIFICATION THE TUBE SAW

Tri Tool Technologies' 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.

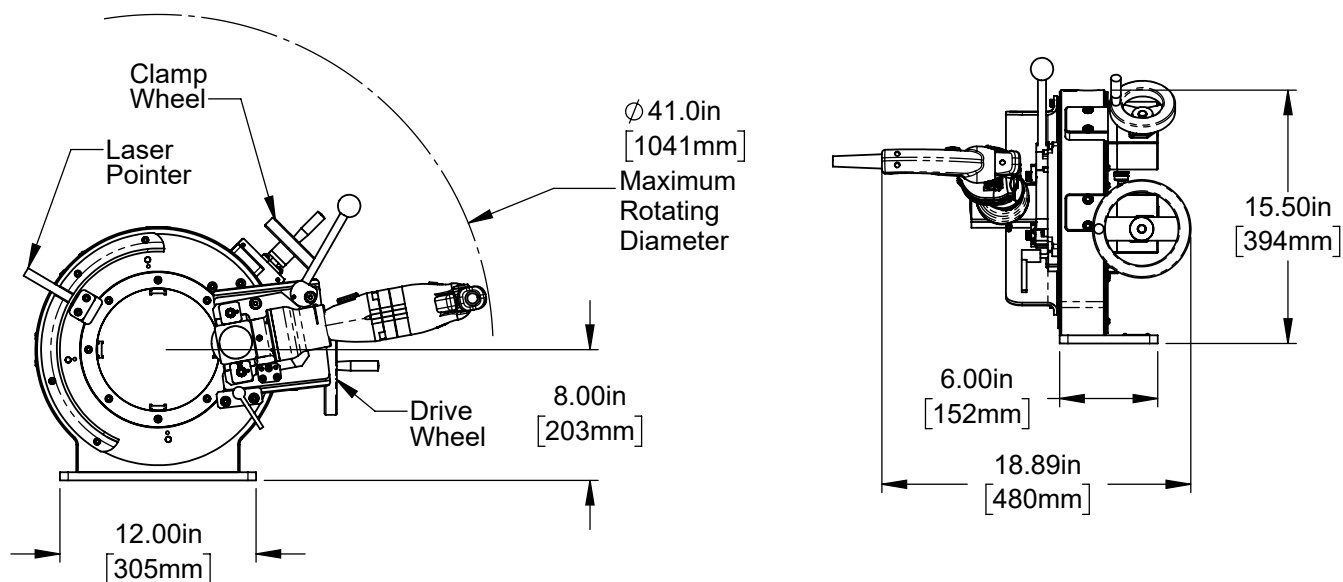
A variable-speed motor provides cutting speed control for long blade life and material finish. The Feed Handle is geared to prevent the operator from overrunning the cut yet provide smooth and effortless control. Different blade diameters and tooth counts are available for different wall thickness and 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 and clamp location can be changed for operator's preference.
- Laser line quickly aligns cut line to the saw blade.
- Enclosed drive train for operator safety and lubricated at the factory for service-free maintenance.
- Baseplate slot mounts to optional standard pipe stand.

Specifications

Reference Drawing No. 77-1865



Clearance and Dimensions

Weight

Cordless: 80 lbs (36.3 kg)

Corded: 76 lbs (34.5 kg)

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

Saw Blade Speed

Cordless Motor

100 to 280 RPM

Corded Motor

Low Range: 30 to 180 RPM

High Range: 85 to 515 RPM

Feed

Manually driven face plate rotates around material.

Material Mounting

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

Drive System

Variable-speed electric drive motor

Power Requirements

Electric Drive Motor

Cordless	40 volt, 110 charging station
Corded	110 VAC, 50/60 Hz, 9.6 A
	220 VAC 50/60 Hz, 5.1A

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.



www.tritool.com



[@tritooltechnologies](https://www.facebook.com/tritooltechnologies)



[@tritooltech](https://www.linkedin.com/company/tritooltech)



[@tritooltechnologies](https://twitter.com/tritooltechnologies)



3041 Sunrise Blvd
Rancho Cordova, CA 95742
+916-288-6100
+1-800-345-5015
Fax 916-288-6160

Copyright © Proprietary property of Tri Tool Technologies. No reproduction, use or duplication of the information shown hereon is permitted without the express written consent of Tri Tool Technologies.
