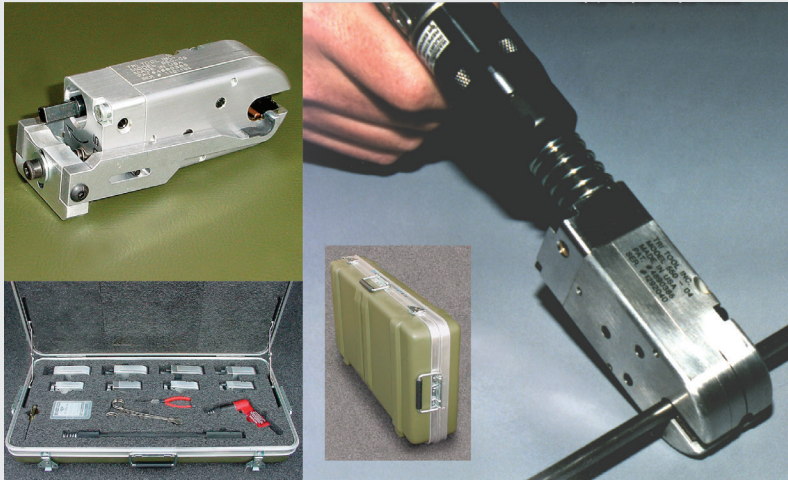


**Just slip onto the tube for easy, rapid and precision chipless severing.**



- Hydraulic Systems Support
- Advanced Battle Damage Repair

This proven and dependable roller cutting system performs precision tube severing in confined spaces without producing cutting debris, perfect for field maintenance operations.

Tri Tool Inc. manufactures standard and custom built portable machine tools for a wide range of demanding defense applications.

## FEATURES

- The perfect solution for crimped or cryogenic couplings and fittings
- Rapid cycle time with minimum cleanup or post processing
- Wrap-around head design for fast and easy installation / removal

Innovative auto-feed mechanism for accurate feed control

- Compact size for easy use in areas with limited clearance
- Positive and quick "bayonet" style drive connection
- Modular heads for all standard tubing sizes
- Self-centers for quick and easy mounting
- U.S. Patent No. 4,890,385



The Model 550 Tube Cutter is a series of different size machines, each designed to sever one size of in-line tube. Individual tube size machines are available in the range from .188" (4.77 mm) through 2.00" (50.8 mm) for use in areas where access to and around the tube is limited. Model 550 Tube Cutters can be purchased in any combination of sizes. A drive system is required for operation.

## ESTABLISHED GOVERNMENT KITS:

- NSN 5130-01-269-8837 (A-10 Tube Cutting Kit) PN 05-1138
- NSN 5110-01-261-0703 (B1 Tube Cutting Kit) PN 05-1139
- NSN 5180-01-475-8425 (V-22 Tube Cutter Kit) PN 05-1354

## ACCESSORIES:

- Manual Drive Systems (special order)
- Electric Drive System (special order)
- Flexible Drive Cables
- Durable Carrying Case

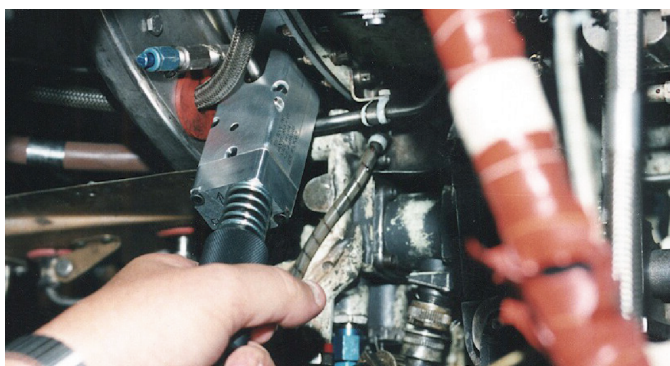
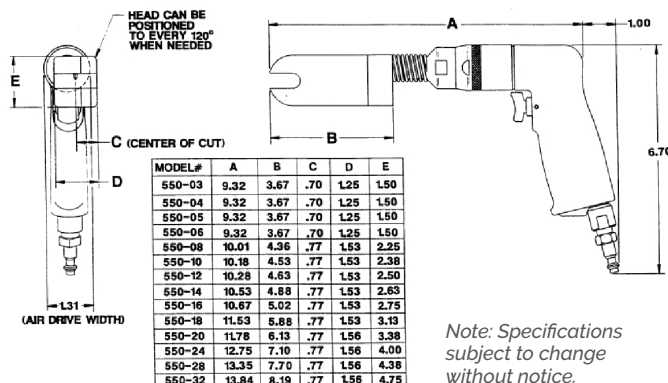
## DESIGN AND OPERATING FEATURES

1. The tool's compact size allows access into areas that have limited clearance.
2. A horseshoe style head allows easy installation and removal from the tube.
3. The machine is self-centering for quick and easy mounting.
4. The tool features an auto-feed mechanism for ease and speed of operation.
5. A "chipless" cutting wheel does not generate cutting chips.
6. A removable pin allows the cutting wheel to be changed when necessary.
7. A pneumatic drive system for use in hazardous areas is standard.
8. A quick disconnect allows quick & easy changes from one size head to another.

**Materials and Cutting Capacities:** Materials include, but are not limited to, carbon steel, low alloy steel, chrome steel, chrome/molly alloys (Rc 32 max.), stainless steel, titanium, copper, aluminum and copper nickel alloys. The cutting of Inconel requires custom equipment, contact Tri Tool for more information.

Listed above are examples of some materials and examples of wall cutting capabilities.

Max Wall Cutting Capacity				
Model	Tube Dia.	Aluminum	Stainless	Titanium
550-03	.180" (4.8 mm)	.065" (1.7 mm)	.055" (1.4 mm)	.055" (1.4 mm)
550-04	.250" (6.4 mm)	.065" (1.7 mm)	.055" (1.4 mm)	.055" (1.4 mm)
550-05	.310" (7.9 mm)	.065" (1.7 mm)	.055" (1.4 mm)	.055" (1.4 mm)
550-06	.380" (9.5 mm)	.065" (1.7 mm)	.055" (1.4 mm)	.055" (1.4 mm)
550-08	.500" (12.7 mm)	.095" (2.4 mm)	.075" (1.9 mm)	.075" (1.9 mm)
550-10	.630" (15.9 mm)	.125" (3.2 mm)	.100" (2.5 mm)	.100" (2.5 mm)
550-12	.750" (19.1 mm)	.095" (2.4 mm)	.085" (2.2 mm)	.085" (2.2 mm)
550-14	.880" (22.2 mm)	.125" (3.2 mm)	.100" (2.5 mm)	.100" (2.5 mm)
550-16	1.00" (25.4 mm)	.095" (2.4 mm)	.085" (2.2 mm)	.085" (2.2 mm)
550-18	1.13" (28.7 mm)	.125" (3.2 mm)	.100" (2.5 mm)	.100" (2.5 mm)
550-20	1.25" (31.8 mm)	.100" (2.5 mm)	.080" (2.0 mm)	.080" (2.0 mm)
550-24	1.50" (38.1 mm)	.110" (2.8 mm)	.100" (2.5 mm)	.100" (2.5 mm)
550-28	1.75" (44.5 mm)	.125" (3.2 mm)	.100" (2.5 mm)	.100" (2.5 mm)
550-32	2.00" (50.8 mm)	.125" (3.2 mm)	.100" (2.5 mm)	.100" (2.5 mm)



These images show the Model 550's unique ability to perform precision severing of tubes in extremely tight spaces for applications such as aircraft maintenance.

- PORTABLE PRECISION MACHINE TOOLS
- MissionBuilt CUSTOM ENGINEERED SOLUTIONS

- ON-SITE FIELD SERVICES
- EQUIPMENT RENTALS