

# TUBING EQUIPMENT

Precision, Portable Squaring and Severing Solutions



**300 Series**  
**500 Series**



**TRI TOOL**  
BUILDING PERFORMANCE

# Tri Tool® produces the finest tube severing and squaring machines delivering maximum precision and performance

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**Tube severing and squaring machines are the perfect companions to orbital welding equipment, producing optimal weld preparation for high purity tubing system fabrication and maintenance operations.**

**F**eaturing innovative design, manufacturing quality, ultra-precision, and a wide range of custom options, Tri Tool's portable tubing equipment has become the industry standard for quality and versatility.

Our advanced engineering and practical, easy to use design ensure that you get the best possible results and high production rates to save time and money.

Welded tubing system specifications are more exacting than ever before. Tri Tool's tubing equipment has met that challenge with machines that excel in working with difficult-to-cut alloys and clamping systems that address out-of-round so you get perfect welds, every time.

Our tubing equipment performs equally well in production roles with reduced cycle time features such as Quick-lock clamping and Auto Cycling severing systems.

Tri Tool's customers are backed by the industry's best customer support with experienced technical assistance, regional support representatives and special engineering services.

In addition, our online support includes technical reports, white papers, web-based reference materials and educational content, as well as dynamic social media channels.

Contact Tri Tool when you want the most reliable, top precision tube squaring and severing solutions available.



**Pharmaceutical  
Semiconductor  
Clean Room  
Biomedical  
Petrochemical  
Aerospace and Defense  
Food and Beverage**

# Series Overview

Tri Tool's wide range of squaring and severing equipment is designed with features that ensure precision, ease of use, high performance and maximum productivity.

Our equipment for squaring and severing tube and pipe is grouped into two primary families, the 300 Series squaring machines and the 500 Series severing machines.

300 Series machines are designed to provide precise square ends on cut lengths of tube and fittings. The 500 Series SEVERMASTER® machines sever quickly and accurately, and offer squaring capabilities on some models with the SQM Squaring Module accessory. All Tri Tool machines deliver the optimal combination of precision, reliability and portability.



*"The consistent quality, precision and high performance of Tri Tool's squaring and severing equipment ensures we deliver our work on time and improves our welding results."*

## Quick Reference Chart

Model	Operation				Matl. Type			Drive			Features				Working Range (OD)			
	Face (Square)	Sever	Bevel	Deburr	Counterbore	Straight Tube	Microfittings	Fittings	Electric (AC)	Pneumatic	Cordless (DC)	Bench Stand	Squaring Module	Quick-Lock		Stainless Clamping	Storage Case	Auto-Cycling
300MF	●				●	●	●	●	○	○			●	●				.125" (3.2mm) to .750" (19.1mm)
320MF	●				●	●	●	●	○	○			●	●				.750" (19.1 mm) to 2.0" (50.8 mm)
301	●		●		●			●	○		○		○	●	●			.125" (3.2mm) to 1.102" (28.0mm)
301DC	●		●		●					●	○		○	●	●			.125" (3.2mm) to 1.125" (28.6mm)
301SP	●				●	●	●	●	○	○	○		●	●				.125" (3.2mm) to 1.0" (25.4mm)
301.5SP	●				●	●	●	●	○	○	○		●	●				.125" (3.2mm) to 1.50" (38.1mm)
302	●				●	●	●	●	○	○	●		●	●				.1875" (4.76mm) to 2.0" (50.8mm)
304	●		●	●	●			○	●	○	○		●	●				.250" (6.35mm) to 4.5" (114mm)
306	●		●	●	●				●	○		○	●	○				1.0" (25.4mm) to 6.625" (168.3mm)
308	●		●	●	●				●	○		●	●	○				1.0" (25.4mm) to 8.625" (291.1mm)
572AC	○	●	○	○	○	●			●	○	○	●	○	●	●	●	●	.250" (6.35mm) to 2.0" (50.8mm)
576AC	○	●	○	○	○	●			●	○		●	○	●	○	●	●	2.0" (50.8mm) to 6.63" (168.3mm)
5712AC	○	●	○	○	○	●			●	○		●	○	○			●	8.0" (203.2mm) to 12.0" (304.8mm)
5716AC	○	●	○	○	○	●			●	○		●	○	○			●	12.0" (304.8mm) to 16.0" (406.4mm)

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# MICROFACER

Delivering big precision in a small package, the MICROFACER is perfectly designed to perform in confined spaces making it the ideal answer for tubing system construction and maintenance.

The Model 300 and 320 have been designed to square tubes in preparation for autogenous welding. These compact, lightweight, precision squaring tools feature self-contained OD saddle sets for secure grip on tubing.

The powerful DC motor connects to the MICROFACER with a three position bayonet type mounting system for maximum flexibility. An optional 18" Flex-Drive extension makes it perfectly suited for operation in the confined space of tubing racks.

The machine is cleanroom ready, assembled with Krytox® grease and features stainless steel saddles to eliminate carbon contamination.



Gas cabinets are just one example of a low-clearance work space where the size and versatility of the Model 300 is ideal. The handy Flex-Drive (see the Popular Accessories section) allows the MICROFACERs to operate in any orientation for optimal user control.



Model 300 MICROFACER®

The MICROFACER comes with a 12V DC cordless motor, AC charger, an extra battery and a rugged carrying case.

Model	OD Mounting Range	Max Wall	Min Clamp Length
300	.125" (3.2 mm) through .750" (19.1 mm)	.125" (3.2mm)	.220" (5.6 mm)
320	.750" (19.1 mm) through 2.00" (50.8 mm)	.125" (3.2 mm)	.437" (11.1 mm)



The MICROFACER can produce excellent end preparation on straight lengths of tubing as well as microfittings. Stainless self-contained saddle sets eliminate carbon contamination for autogenous orbital welding and make changing from one size to the next quick and easy.

### Micro Squaring - Designed for Cleanroom Use

- Secure, stainless steel clamping components
- Long lasting, variable-speed cordless DC motor
- Unique cam feed with Auto-Retract reduces cycle time



The difference between the Model 300 (.75" max) and Model 320 (2" max) MICROFACERs is very apparent in the photo above. Despite the size difference however, both machines perform in exactly the same manner and share the same motor mounting components.

## Models 301 and 301DC

Tri Tool's high performance squaring equipment combines versatility and precision so that you always get quality, repeatable welding results.

**Model 301  
(w/ Collet Nut)**



Get rapid and consistently perfect squaring results - the key to orbital welding success.

- *Get accurate, square, burr free end preparation*
- *Ideal for in-place work and confined spaces*
- *Full contact collet eliminates tube deflection*
- *Patented Auto-Retract cam feed for rapid cycle times*
- *Optional Quick Lock single throw lever clamping*
- *Integrated Micrometer feed indicator*
- *Variable speed AC and three speed variable DC drives*
- *DC drive features audible tone control for consistent feed rate on difficult materials such as Hastaloy® and Inconel®*

Over the years, the field proven Model 301 tube squaring machine has set the industry standard for precision and portability. The compact Model 301 provides full support, OD-mounting, self-centering collets and will square .125" (3.2 mm) to 1" (25.4 mm) OD tubing with up to a .125" (3.2 mm) wall thickness.

Precise end preps are easy to accomplish on a wide variety of materials including steel, stainless steel, titanium, Inconel®, copper, aluminum, and plastic with the patented Auto Retract feed system which automatically retracts the bit when the feed handle is released, readying it for the next cut. The cutting head accepts a squaring bit or a combination squaring and beveling bit. Variable speed electric drives and the ability to work without damaging the inside of electro-polished tubes makes the Model 301 a perfect companion to orbital tube welding.

A powerful cordless 14.4 variable speed drive is offered for the Model 301DC for remote cutting where AC power is not available or practical.

The Model 301 can be configured with an optional Quick Lock single-throw clamping system that allows rapid cycle times and easy collet size change-over. The Quick Lock system can be retrofitted to all Model 301 machines that utilize the collet nut clamping method.



**Model 301  
(w/ Quick Lock)**



*This custom engineered Model 301 has a heavy-duty motor and baseplate, a Quick-lock clamping system and a gear reduction unit to limit the tool bit rotational speed to deal with difficult alloys.*

# Model 301SP and 301.5SP

Model 301SP



Special saddles for the Model 301SP include dedicated cutouts that correspond with recesses in the tool face to provide the perfect clearances required for squaring gland nut assemblies.

The Model 301SP and 301.5SP are designed specifically for applications such as working with microfittings where a short gripping length is a consideration.

A variety of Short Perch Saddles are available and provide positive grip with as little as .188" (5mm) of straight length.

With a variable speed, high torque motor the machines deliver excellent finishes on all types of materials without damaging electro-polished surfaces. The unit also features excellent visibility and a micrometer-type feed indicator to produce precise lengths.

The Model 301SP offers easy set-up and operation for .125" (3.2mm) to 1" (25.4mm) OD tubing up to .125" (3.2mm) wall, for pipe sizes .250" to .750". It features the patented Auto Retract feed system which automatically retracts the bit when the feed handle is released, making it ready for the next cut. A logarithmic feed cam moves the bit forward quickly at the beginning of the feed action and then slower as the tube is engaged.

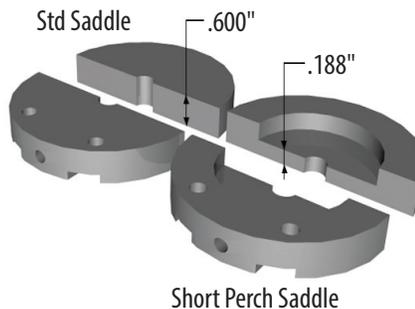


Model 301.5SP

The Model 301.5SP offers increased squaring range to .125" (3.2mm) to 1.50" (38.1mm) OD tubing, up to .125" (3.2mm) wall. Equipped with a new toolless, quick change saddle system and transparent integral chip guards, the machine offers superior performance with maximum operator safety. The 301.5SP incorporates Tri Tool's patented Auto Retract Feed and comes in 12V cordless DC (shown) or corded AC versions. An optional base stand is available for high volume precision benchtop squaring operations.



Model 301SP DC



## Models 302 and 304

**Bench mounted 300 Series tools provide a strong base stand that offers safe and secure operation for high production applications.**

The Model 302's size, configuration and capabilities have been optimized for reliability and ease of use. Feature packed, and ruggedly built, the Model 302 provides the precision and time savings our customers have learned to expect. Most importantly, it delivers accurate, repeatable weld prep results every time.

Whether bench mounted or portable, no tools are required for operation. Straight tubes or microfittings with ODs of .188" (4.8mm) to 2.375" (60.3mm), and wall thicknesses up to .200" (5.1mm) can be squared with ease. The versatile Model 302 has proven to be a perfect platform for special configurations. Due to its heavy duty construction, the Model 302 can be fit with an air clamping system. The rugged cast body can be set up for left-hand or right-hand operation.



**Model 302**

Durable stainless steel clamping saddles are standard and prevent carbon contamination when working with high purity tubing.



**Model 304**

The Model 304 tube squaring machine is a leader in terms of Safety and Performance. It will face .250" (6.35mm) to 4.5" (114.3mm) OD tubing up to .250" (6.35mm) wall thickness. It features quick change saddles (no tools required), graduated feed and a high visibility design to enhance productivity.

The Model 304 offers easy set-up and operation with the accuracy required to consistently achieve flat, square and burr free ends. The cutting head allows installation of up to 3 tool bits for squaring, beveling or special preps, and the bench stand is easily removable for in-place use.

The machine comes with an integral clear chip guard, and a variable speed, dual range drive motor for optimal cutting speed selection and control. Options include air clamping with hand or foot actuation, custom saddle sets for fittings, pneumatic motor, and a sealed DC drive motor.



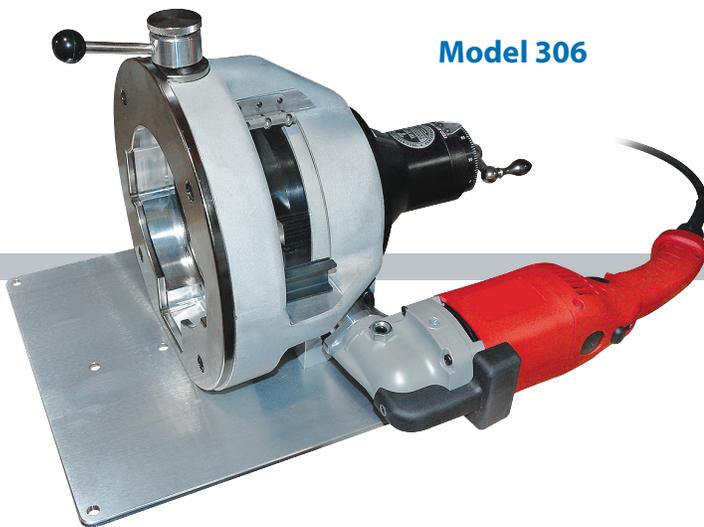
*The 304's open design and integral, clear chip guard provide increased operator safety.*

## Models 306 and 308

Tri Tool delivers equipment solutions that provide the ideal blend of power and precision for larger diameter production tube squaring.

Nothing compares to the Model 306 for squaring 1" (25.4 mm) to 6.625" (168.3 mm) OD tubing with a wall thickness of up to .250" (6.35 mm).

The rugged and dependable Model 306 shares some of the same features as the Model 304 including Quick change snap-in saddles, a built-in clear Chip Guard for safety and cut visibility, and a precision micrometer feed.



**Model 306**

### Designed for Benchtop Precision, Rapid Cycle Times, and Ease-of-Use

- Full-support OD mounting
- Burr free cutting
- Won't damage electro-polished surfaces
- Optional electric drive for cleanroom use
- Easy to change saddles provide positive clamping
- Graduated feed indicator
- Optional quick change snap-in collets on some models
- Unequaled portability
- Broad size range
- Flexible power and micrometer feed for optimum results
- Maximum tool bit visibility and low profile design



A Model 304 squaring a section of stainless steel tubing in a cleanroom fabrication work area.

The Model 308 for 1.00" (25.4 mm) to 8.625" (219.1 mm) OD tubing (pipe sizes .750" through 8") with wall thickness up to .250" (6.35 mm). These machines offer saddle or collet clamping, and have the capability to square fittings or straight lengths of tube without deformation or damage to the inside surface.



**Model 308**

The long feed travel (2") of the powerful Model 308, combined with three tool bit positions permit the machine to perform limited simultaneous beveling, facing and counterboring.

**Contact Tri Tool for more information on Chip Guards for the Model 306 and 308**

# Models 572AC and 576AC

# SEVERMASTER®

The 500 Series severing equipment from Tri Tool is the perfect solution for high-volume tube and pipe severing, and welding applications.



Model 572AC

### Rapid set-up and cycle times boost productivity

- *Auto-Cycling resets the tool bit after each cut*
- *The adjustable Quick Lock lever accurately and securely clamps with one stroke*

### Produces a weld-ready finish

- *Smooth roller bearing design for perfect severs*
- *Secure, self-centering full-contact collet prevents damage and distortion to thin wall tubes*

### Minimizes risk of contamination

- *Cold cutting by severing bit produces easily collectible ribbon-like chips*
- *No saw blades that produce particulates*

Our SeverMaster series Auto-cycle tube severing equipment was designed to deliver perfect, weld-ready severs for the high purity environment, and has become a favorite solution for stainless steel production and tubing system fabrication professionals around the world.

The 572AC will sever tubing from an OD of .25" (6.35mm) to 2.0" (50.8mm) with up to .065" (1.65mm) wall thickness. The 576AC severs tubes with an OD of 2.0" (50.8mm) to 6.63" (168.3mm) - up to .156" (4.0mm) wall thickness.

The SeverMaster's tool bit feed increment is adjustable to perfectly match the material being cut. A variable speed motor provides cutting speed control for longer bit life and ID burr reduction.

The innovative Quick Lock lever actuates a clamping collet with a single stroke, and opens easily to provide rapid collet changes.

After a severing has been completed, an optional Squaring Module can be quickly positioned to square the tube for optimal end finish, length control, and burr elimination.



Model 576AC

## Models 5712AC and 5716AC

The larger 12" and 16" SeverMaster severing machines are the ideal solution when working with large, thin wall tube and pipe. Offering both high performance and consistent, repeatable precision, our Model 5712AC and 5716AC produce an excellent weld-ready finish with rapid cycle times.

The 5712AC will sever tubing from an OD of 8.0" (203.2mm) to 12.0" (304.8mm) with up to .250" (6.5mm) wall thickness. The 5716AC severs tubes with an OD of 12.0" (304.8mm) to 16" (406.4mm) - up to .250" (6.5mm) wall thickness.



Model 5716AC

### Severing Solutions

- A tube manufacturer used two Model 572ACs to cut tubes to length as they emerged from an extruder. The two SeverMasters performed approximately 22,000 cuts on just one order.
- A nuclear research facility has been cutting fuel rods with a Model 572AC in a totally remote hot cell since 2004.
- A customer had a requirement to cut 5" diameter military warheads, filled with small projectiles. The reliable Model 576AC successfully cut about 45,000 warheads in a single month.
- Specially designed and modified Model 576ACs were utilized to cut nuclear materials during the cleanup of a weapons grade fabrication facility.



The Model 5712AC and 5716AC use a hybrid four piece, fixed size collet system with interchangeable saddles to guarantee rapid, secure clamping.

Another feature is the screw-style collet actuation mechanism that allows for longer collet movement and clamping pressure, for greatly increased thin wall "out-of-round" correcting capabilities.

### The Perfect Weld Prep

- Variable speed motor increases bit life and reduces burrs
- Smooth roller bearing design for perfect severs
- Four interchangeable, self-centering collets prevent distortion of thin wall tubing
- Unique hybrid saddle/collet system, accepts torque while providing reliable, secure clamping

### Enhanced Productivity

- Auto-Cycling resets the tool bit after each cut
- Standard dual severing for rapid cutting
- Lockable speed-nut allows fast and easy collet clamping
- Adjustable feed rate and motor speed for cut control

### Safety

- Enclosed gears increase operator safety
- Operator friendly foot pedal control

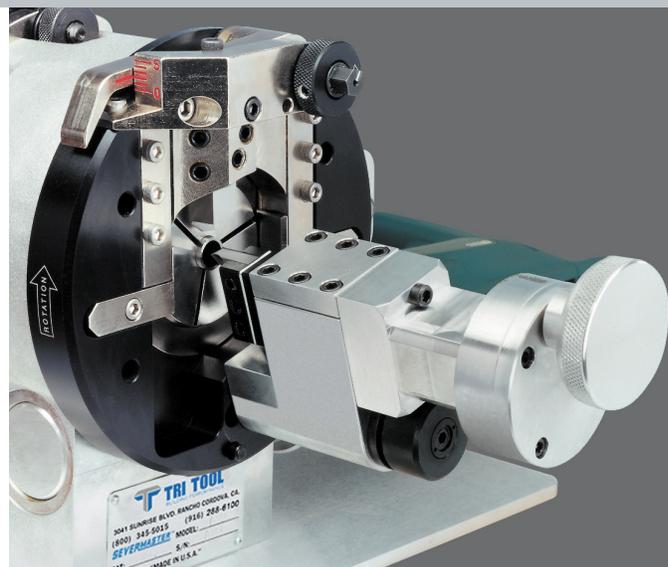
## Popular Accessories

Tri Tool offers a wide range of mounting, clamping, tooling, and configuration options, all designed to make your equipment optimized for your job, and as user friendly as possible.



### Model 302 Micrometer Feed

For ultra-precision squaring where maximum control of the depth of cut is a critical factor, a precision micrometer feed assembly is available for use on the Model 302.



### SQM - Squaring Modules

After you complete a sever with one of our 500 Series SEVERMASTER® machines, you may want to more precisely square the tube end. The SQM Squaring Module can be mounted to the rotating face of the machine, enabling it to be quickly positioned to the severed tube end. The SQM's accurate manual feed provides the operator with maximum control of the depth of cut, and is particularly essential when using roller cutters to sever the tube while minimizing cutting debris.

Our 300 Series Squaring and 500 Series Severing equipment are some of the most popular machinery lines we produce, being used in countless applications by companies located throughout the world.

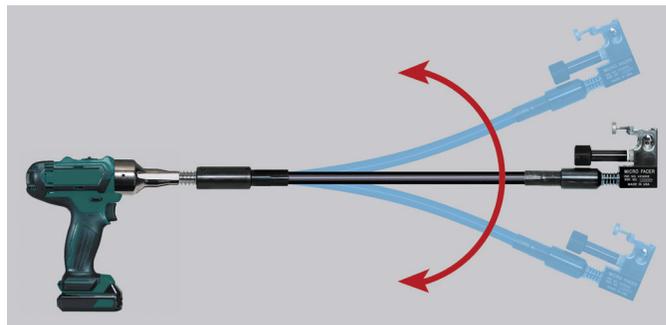
One of the things that makes them the favorites of so many professionals who work with tubing systems is their ultimate durability, reliability and uncompromising precision. Another important aspect of their success is their ability to be infinitely modified to perform in any special application.

Over the years, a lot of the more popular and most requested enhancements have been added to our inventory as add-on kits, special mounting, clamping, and tooling holders.

Whatever your end use of the equipment and no matter what industry you're in, chances are that if you have a need for accessories for your squaring and severing machine, some other company has needed that extended capability or increased production in the past.

For that reason, you should always speak to your Tri Tool Regional Manager or one of our expert customer service

representatives to discover ways to get the most out of your equipment investment. Call for more information and for fast, friendly application assistance today.



### 300 MICROFACER FLEX-DRIVE

When performing end squaring on tubing systems in gas cabinets or areas of limited or tight access, the handy and versatile 18" Flex-Drive is a practical drive extension that works with the Model 300 MicroFacer. The Flex-Drive permits precise, flexible squaring machine orientation up to 90° off of the tube's center line, in all directions. Get maximum tool flexibility for optimal welding results.

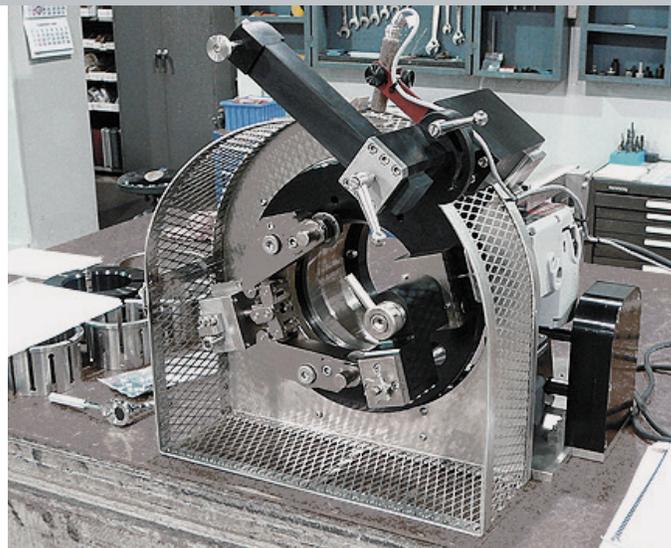
# Engineering Support

**When your work requirements are beyond the scope of our standard machinery and you need a special machine for your specific application, Tri Tool can provide solutions ranging from unique modifications, up to custom machinery.**

**T**ri Tool can extend the cutting range of standard tools, automate operations, enable difficult tolerances to be met or enable machines to perform unusual cuts. Special clamping fixtures can be produced that allow machinery to securely hold specific fittings or tubing assemblies, and specialized form tool bits can be designed to produce complex cutting results.

We are proud of our record of consistently providing the industry's finest design, engineering, and manufacturing support. Over the years, we have produced countless variations of our standard equipment. Machinery can be built from special materials, special accessories developed, or completely new machinery built to customer's specifications.

Our machinery can be modified for maximum productivity or specific purposes. Examples include remote control panels and other specialized controls designed to provide operation in hazardous or confined environments, alternate drive sources such as pneumatic and AC or DC electric drive motors, specially engineered collet and saddle systems to grip unique components, and automated feed and clamping systems.



*This 576 AC SeverMaster® was designed for use in a glove box. Configured with roller cutters, it performs remote chipless canister opening. Other unique features include a pivoting base stand, laser pointer for cut location reference and a burnishing module to push the burr out of the way to allow removal of the inner can.*

Used in cleanrooms of varying classes, these machines offer the advantage of cold cutting which generates a continuous chip, rather than the particulate matter produced by saws and abrasive cutters. This provides more control over cleanroom contamination.

When required, machinery can be designed to cut by means of alternative methods such as roller wheels. Roller wheel cutters are important for use where no chips or cutting debris can be produced (as with radioactive materials) or where space is extremely limited.

***Trust Tri Tool for your toughest work requirements!***



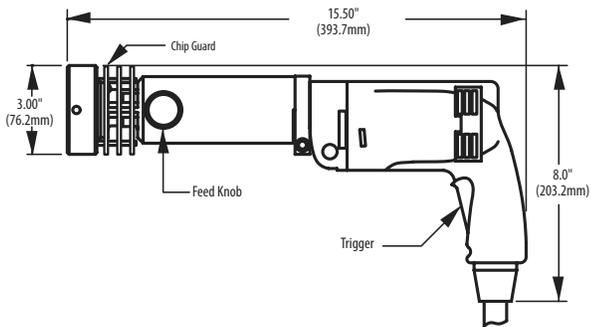
*This 500 Series SeverMaster® shows the versatility and flexibility of the product range. Designed for use in hazardous use in a nuclear plant, it offers total remote control operation and unique roller wheel cutting for reduced cutting debris with radioactive metals.*



*Tri Tool can modify stock tools for specific application requirements. This Model 302 has been configured with pneumatic saddle clamping actuation and a quick-detach air fitting for increased cycle times in a high volume tube production role.*

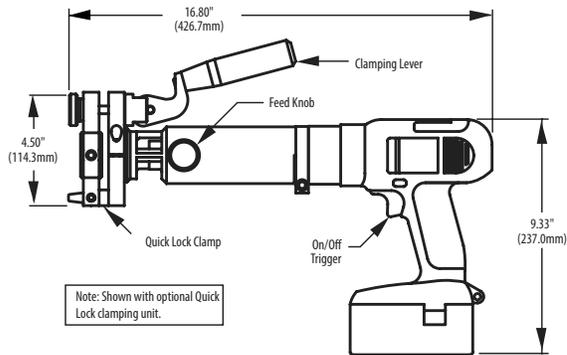
# Specifications

## Model 301

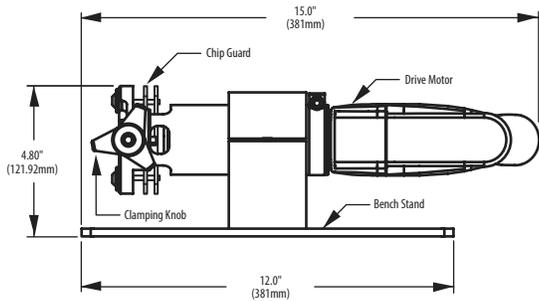


	OD Mounting Range	Max Wall	Collet Clamping Length	Saddle Clamping Length	Short Perch Clamping Length	Tool Bit Travel	Weight	Power Required
<b>Model 301</b>	.125" (3.2mm) - 1.102" (28mm)	.125" (3.2mm)	.120" (30.5mm)	N/A	.187" (4.75mm)	.200" (5.1mm)	8.5 lbs. (3.86 Kg)	120VAC, 220VAC, Pneu.
<b>Model 301 QLDC</b>	.125" (3.2mm) - 1.102" (28mm)	.125" (3.2mm)	.120" (30.5mm)	N/A	N/A	.200" (5.1mm)	11 lbs. (5.0 Kg)	14.4VDC

## Model 301DC

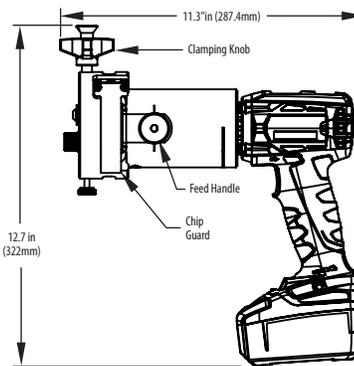


## Model 301SP

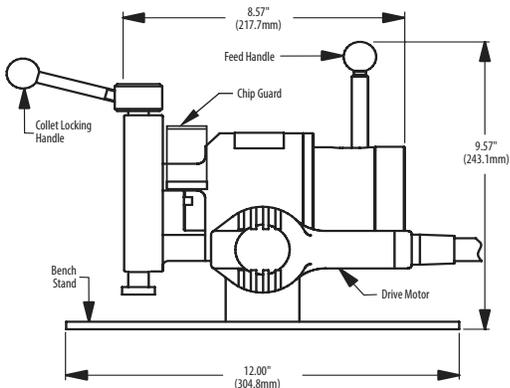


	OD Mounting Range	Max Wall	Collet Clamping Length	Saddle Clamping Length	Short Perch Clamping Length	Tool Bit Travel	Weight	Power Required
<b>Model 301SP</b>	.125" (3.2mm) - 1.125" (28.6mm)	.125" (3.2mm)	N/A	.600" (15.2mm)	.190" (4.8mm)	.200" (5.1mm)	8.5 lbs. (3.86 Kg)	120VAC, 220VAC, Pneu.
<b>Model 301.5SP</b>	.125" (3.2mm) - 1.500" (38.1mm)	.125" (3.2mm)	N/A	.600" (15.2mm)	.190" (4.8mm)	.200" (5.1mm)	9.2 lbs. (4.17 Kg)	120VAC, 220VAC, Pneu.

## Model 301.5SP

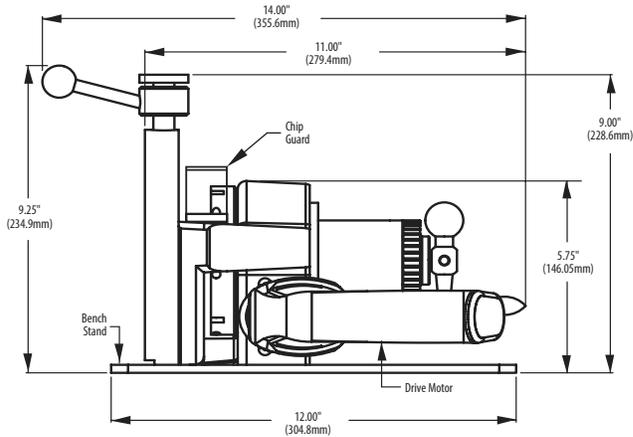


## Model 302



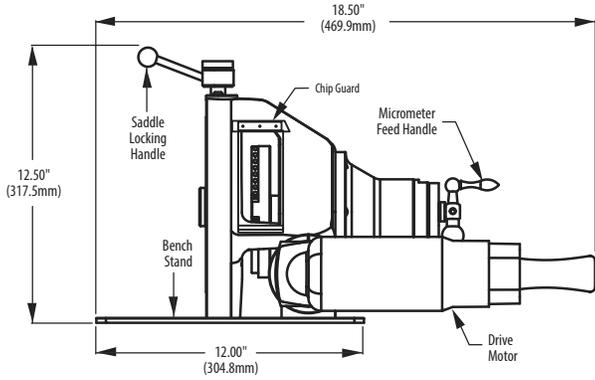
	OD Mounting Range	Max Wall	Collet Clamping Length	Saddle Clamping Length	Short Perch Clamping Length	Tool Bit Travel	Weight	Power Required
<b>Model 302</b>	.188" (4.8mm) - 2.375" (60.3mm)	.200" (5.1mm)	N/A	.875" (22.2mm)	.187" (4.75mm)	.560" (14.2mm)	17.1 lbs. (7.76 Kg)	120VAC, 220VAC, Pneu.
<b>Model 304</b>	.250" (6.35mm) - 4.50" (114.3mm)	.250" (6.35mm)	2.06" (52.3mm)	.875" (22.2mm)	.250" (6.35mm)	.560" (14.2mm)	18.25 lbs. (8.28 Kg)	120VAC, 220VAC, Pneu.

## Model 304

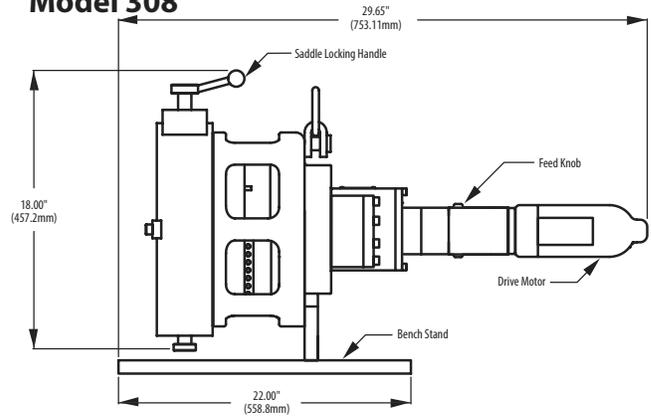


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### Model 306

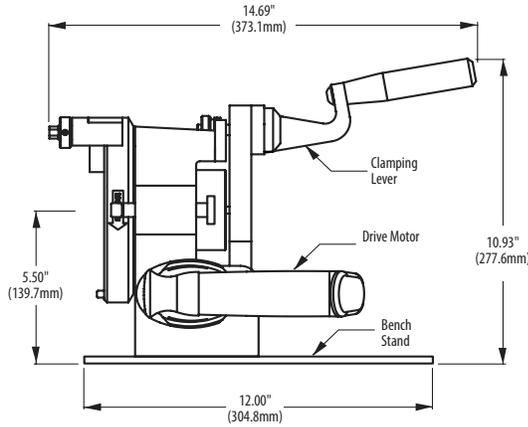


### Model 308

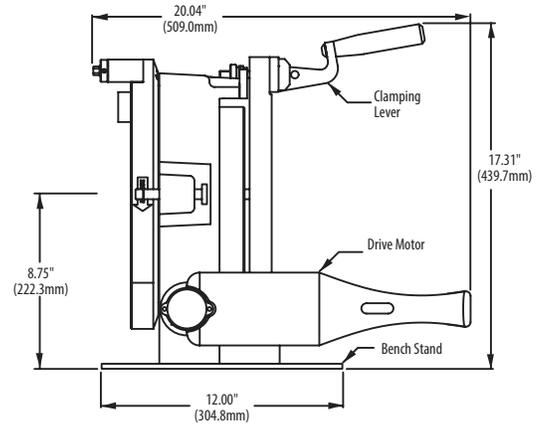


	OD Mounting Range	Max Wall	Collet Clamping Length	Saddle Clamping Length	Short Perch Clamping Length	Tool Bit Travel	Weight	Power Required
<b>Model 306</b>	1.000" (25.4mm) - 6.625" (168.3mm)	.250" (6.35mm)	3.00" (76.2mm)	1.00" (25.4mm)	.250" (6.35mm)	1.00" (25.4mm)	60 lbs. (27.22 Kg)	120VAC, 220VAC, Pneu.
<b>Model 308</b>	1.000" (25.4mm) - 8.625" (219.1mm)	.250" (6.35mm)	3.38" (85.8mm)	2.50" (63.5mm)	.500" (12.7mm)	2.00" (50.8mm)	85 lbs. (39.0 Kg)	120VAC, 220VAC, Pneu.

### Model 572AC



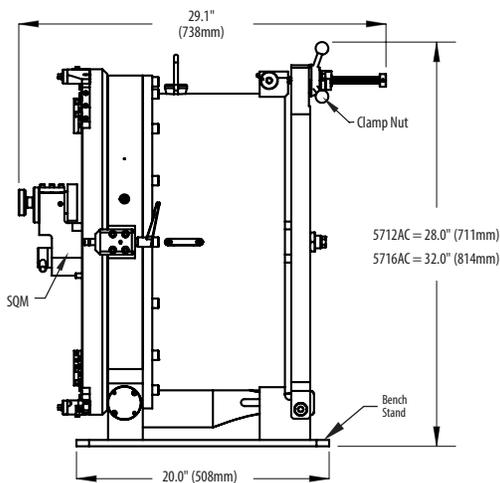
### Model 576AC



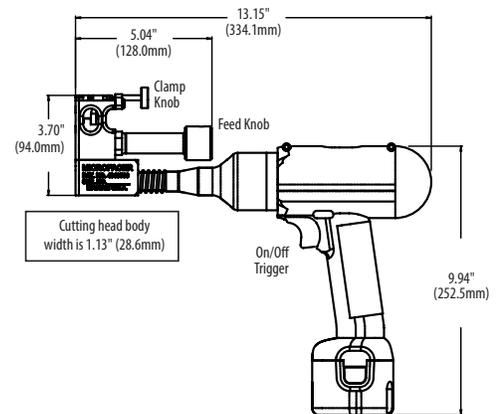
	OD Mounting Range	Max Wall	Collet Clamping Length	Saddle Clamping Length	Short Perch Clamping Length	Tool Bit Travel (Per revolution)	Weight	Power Required
<b>Model 572AC</b>	.250" (6.35mm) - 2.00" (50.8mm)	.065" (1.65mm)	N/A	1.38" (35.0mm)	N/A	.001-.005" (.025-.127mm)*	29 lbs. (13.0 Kg)	120VAC, 220VAC, Pneu.
<b>Model 576AC</b>	2.00" (50.8mm) - 6.63" (168.3mm)	.156" (4.0mm)	N/A	3.00" (76.2mm)	N/A	.001-.005" (.025-.127mm)*	93 lbs. (42.2 Kg)	120VAC, 220VAC, Pneu.

\*Adjustable

### Models 5712AC / 5716AC



### Model 300 MICROFACER®



	Cutting Capacity - Tube	Cutting Capacity - Pipe	Max Wall	Clamping Length	Squaring Module	Tool Bit Travel (Per Revolution)	Weight	Power Options
<b>Model 5712AC</b>	8.0" (203.2mm) - 12.0" (304.8mm)	8.0" - 12.0" (Schedule 5 to 20)	.250" (6.35mm)	9.8" (248.92mm)	SQM-3	.001-.005" (.025-.127mm)*	709 lbs. (321.6 Kg)	120VAC, 220VAC, Pneu**
<b>Model 5716AC</b>	12.0" (304.8mm) - 16.0" (406.4mm)	12.0" - 16.0" (Schedule 5 to 20)	.250" (6.5mm)	12.0" (304.8mm)	SQM-3	.001-.005" (.025-.127mm)*	835 lbs. (379.5 Kg)	120VAC, 220VAC, Pneu**
<b>MICROFACER®</b>	.125" (3.2mm) - .75" (19.05mm)	(SP Clamp Len.) .187" (4.75mm)	.125" (3.25mm)	.40" (10.16mm)	N/A	.200" (5.08mm)	5.35 lbs. (2.4 Kg)	9.6VDC

\*Adjustable

\*\*Available by Special Order

# Maximum Bit Performance

## Premium DURABIT® Tool Bits

In order to achieve the full potential from your equipment, the tool bit condition will make a significant difference in reducing cut cycle time, precision and surface finish results.

Through state-of-the-art design, manufacturing quality, and advanced coating technologies, Tri Tool's patented DURABITs are "free cutting" (meaning that the edge stays under the chip) and extremely long lasting. Research and field performance evaluation with our customers ensures that our DURABIT tool bits are consistently the highest performing squaring bits available in the industry today.

With tool bits there are some things you can do to extend the life of the bit, and keep them cutting like new. By simply ensuring that any bit you use is matched to the material you are cutting (different materials can require special bit geometries) you will get the most bit life. This is why our growing tool bit roster is well over 12,000 individual bit designs!

In addition to using the best bit, other parameters such as using the correct coolant, surface speed and feed pressure also make a big difference in your machining quality.

**Using sharp, OEM tool bits with a superb leading edge and optimal design geometry, is the key to obtaining repeatable machining precision with high-performance TRI TOOL® portable squaring and severing machines.**

We pride ourselves on making the best tool bits in the industry. Guaranteed. Our tool bit Resharp Program helps you maximize your economy while ensuring safe, dependable cutting results.

After your premium TRI TOOL® bits have performed their normal service life, they are candidates for resharpening. Several evaluation criteria determine if they can be resharpened.

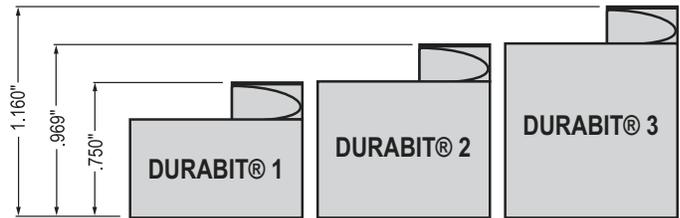
Bits that do not meet the criteria for resharpening are considered scrap bits. After evaluation, you will be notified of any scrap bits among your returned bits. A quote will be provided if you wish to purchase replacements.

Our goal with this program is to save our customers money on



**Performance, reliability, durability, economy – the best bit for your job is a DURABIT!**

Call us anytime and get technical assistance in determining the optimal bit for your specific squaring or severing application.



*DURABIT tool bits, are made in three different lengths so that their cutting range is optimal when using different saddle sets. On Model 301, tubing sizes under .25" require "reverse dogleg bits."*



tooling, but not at the expense of cutting performance or safety. We will make every effort to ensure you get the maximum value from your TRI TOOL® bits. Scrap will not be returned unless requested and return postage paid. Note that when coated bits are resharpened they are not recoated.

Note: Please handle tool bits with care. Even after tool bits have been used and/or dull, they are still sharp enough to cut you.

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