

- SQUARE BURR FREE PREPS ON ALL TUBING FROM 1/8" (3.175 MM) THROUGH 1" (25.4 MM) O.D.
- TSE 1.0 OFFERS FAST OPERATION AND EASY HANDLING. IDEAL FOR CONTRACTORS, FABRICATORS AND MAINTENANCE DEPARTMENTS INVOLVED WITH HIGH PURITY TUBING WORK.
- SQUARE ENDS CONSISTENTLY WITHIN .001"**PERPENDICLAR TO THE OUTSIDE TUBE DIAMETER.

SPECIAL FEATURES...

- "Micrometer Index Gauge" for precise machining to exact lengths.
- "Stainless steel collets" grip the tube firmly without causing tube deformation.
- "Cutter Window" provides a clear view of the cut during operation.
- "Exclusive Tooling Design" channels chips away from cut.



FAST SETUP... EASY OPERATION...

- Hand tensioning system centers and squares the tube automatically in seconds.
- Linear feed design provides the user with smooth in-feed and excellent control.
- Trigger activated, variable speed electric motor, for operator convenience.
- Once the prep is completed, the lock nut quickly releases collet tension for immediate tube removal.
- ** MEASUREMENT PERTAINS TO 1" TUBE. VALUE CHANGES WITH TUBE SIZES

TSE 1.0 TUBE SQUARING MACHINE

COLLET SYSTEM

- New stainless steel collet and lock nut . design provides maximum grip with easy release.
- Stainless steel collets are ideal for high purity weld applications.
- O.D. mount prevents contact damage • to the electro polished tube I.D.

MICROMETER INDEX GAUGE

- Allows for fast, precise machining to exact cut length with lathe-like accuracy.
- . Simply determine the amount of tube to be removed and monitor its removal using the index gauge.

TOOLING

- Standard tool bits are available for a complete range of tubing materials, including soft alloys and all grades of STAINLESS STEEL, TITANIUM and INCONEL.
- Tool bit adjustment and change out is quick and easy.
- Long tool bit life and smooth, burr free cuts are assured with Wachs premium quality coated tooling.

BENCH MOUNT SYSTEM



An optional mounting base is available to quickly convert the hand held machine to a bench mounted system.

	SPECIFICATIONS	
MACHINING FUNCTION:	SQUARE, BURR-FREE, FACING	
MACHINING CAPACITY:	1/8" (3.175 mm) THROUGH 1" (25.4 mm) O.D. TUBE	
MACHINING MATERIALS:	ALL	
WALL THICKNESS:	.010" (.25 mm)THROUGH .120"(mm)	
CLAMPING SYSTEM:	STAINLESS STEEL COLLETS WITH STAINLESS STEEL HAND RETRACT-	
	ABLE LOCKING NUT	
CLEARANCE RADIUS:	1-1/2" (38.1 mm) FROM CENTERLINE	
TOOL ADVANCE:	HAND ADVANCEABLE & RETRACTABLE SPINDLE WITH INDEX GAUGE	
	.245" (6.22 mm) per rev.	
MOTOR:	ELECTRIC 110 OR 220 VOLT, CORDLESS OPTION AVAILABLE	
CONTROLS:	ON - OFF VARIABLE SPEED TRIGGER SWITCH	
TOOLING:	COATED AND UNCOATED FORM TOOLS	
TOOL RPM:	0 TO 600 RPM, VARIABLE	
AXIAL FEED:	.400" (10.16mm)MAXIMUM	
WEIGHT:	8 LBS (3.62 kg.)	
FINISH:	HARD-ANODIZED AND OXIDED	
DIMENSIONS:	15" (381 mm)LONG, 7" (177.8 mm)HIGH & 3" (76.2mm)WIDE	
STANDARD EQUIPMENT:	· · · · · · · · · · · · · · · · · · ·	
	TOOL	
OPTIONAL EQUIPMENT:	STAINLESS STEEL COLLETS	
	SOFT MATERIAL / HARD MATERIAL TOOL BITS	
	STORAGE CASE BENCH MOUNT SYSTEM	

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17 Collet sizes are available from 1/8" • (3.175 mm) to 1" (25.4 mm), Metric 6mm to 25mm each clearly marked for easy identification.

Index gauge gives the operator excellent • control when tube length dimensions must be maintained.

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