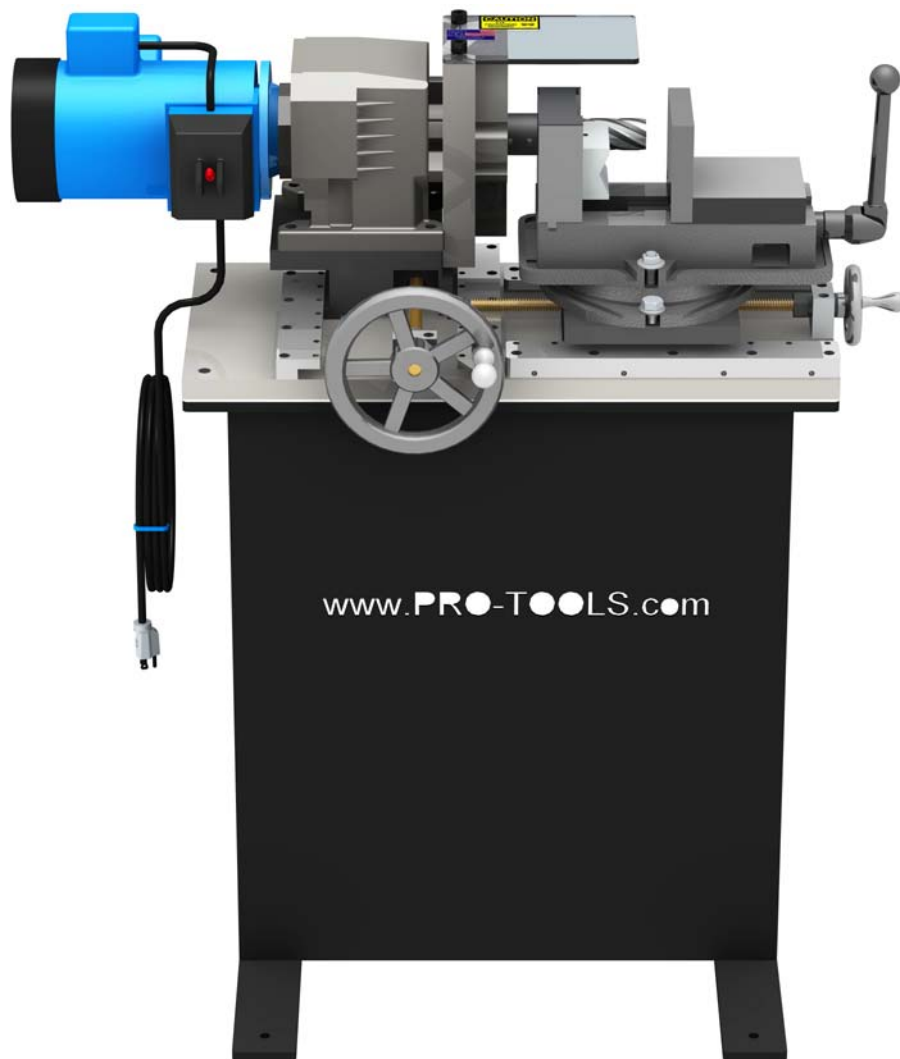


# Pro-Tools

MADE IN THE U.S.A.

## EMN-510 INSTRUCTION SET



**PRO-TOOLS**  
**7616 INDUSTRIAL LANE TAMPA, FLORIDA 33637-6715**  
**813-986-9000 PHONE 813-985-6588 FAX**  
**[www.pro-tools.com](http://www.pro-tools.com)**



MADE IN THE U.S.A.

CONGRATULATIONS ON YOUR PURCHASE OF A PRO-TOOLS **GODZILLA** NOTCHER. BEFORE YOU CAN BEGIN FEEDING THE BEAST, THERE ARE A FEW THINGS TO LOOK OVER. FIRST REVIEW THE CONTENTS OF THE PACKAGE. MAKE SURE YOU HAVE EVERYTHING THAT IS LISTED BELOW. NEXT YOU WANT TO REVIEW THE SAFETY INSTRUCTIONS AND THE OPERATING INSTRUCTIONS. IT WILL EAT MORE THAN METAL.

## CRATE CONTENTS

1ea	GODZILLA TUBE NOTCHING MACHINE
1ea	¼" T-HANDLE ALLEN WRENCH
1ea	SHIM
1ea	END MILL (if ordered)
1ea	END MILL COUPLER (if ordered)
2ea	WHEEL HANDLES
4ea	MOUNTING BOLTS.



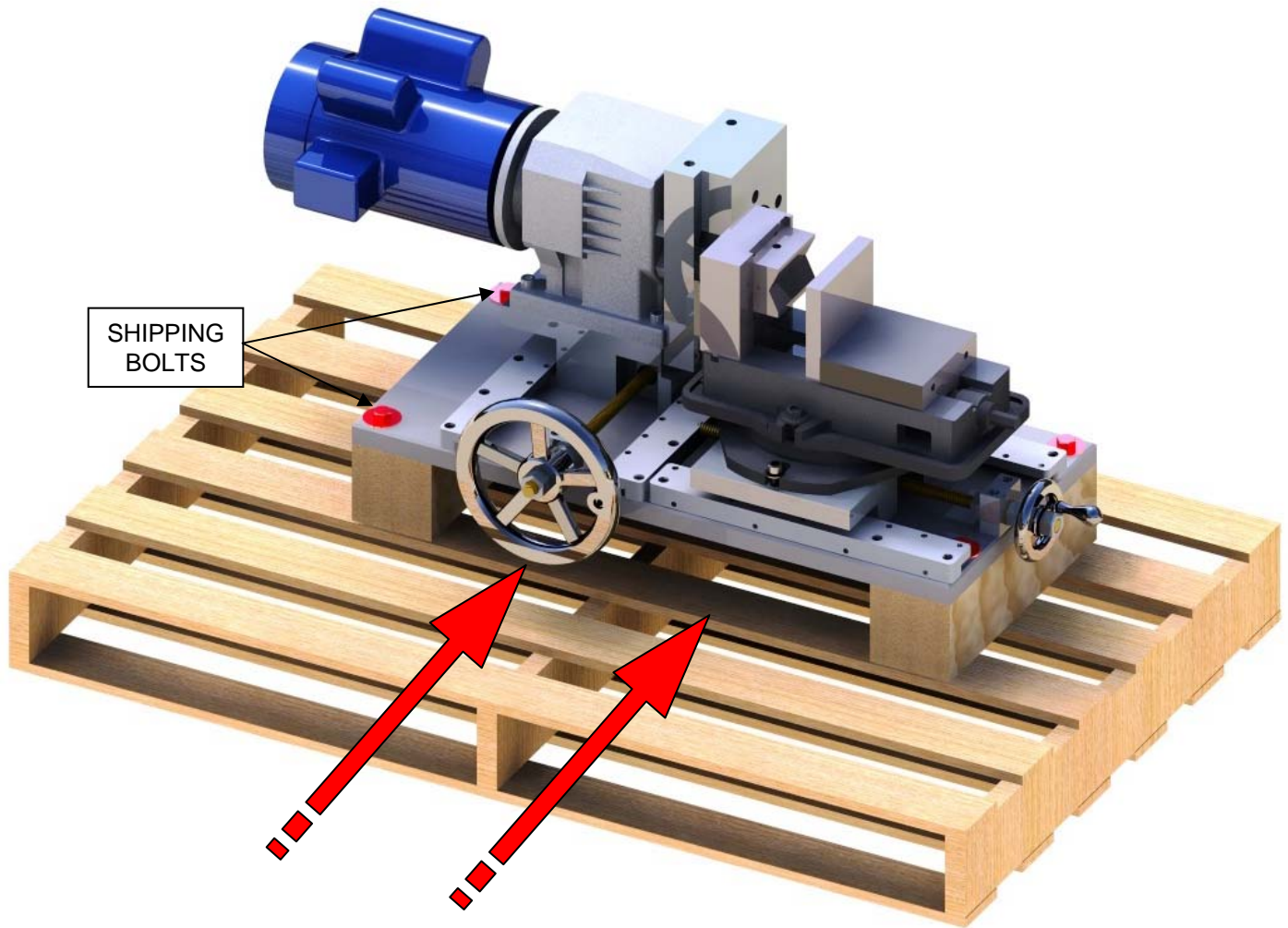
# SAFETY INSTRUCTIONS



**This safety page is to inform the operators of the precautions to be taken while operating this machine. The following are a few basic guidelines to follow, but as with any machinery good judgment and attention to safety should be applied at all times.**

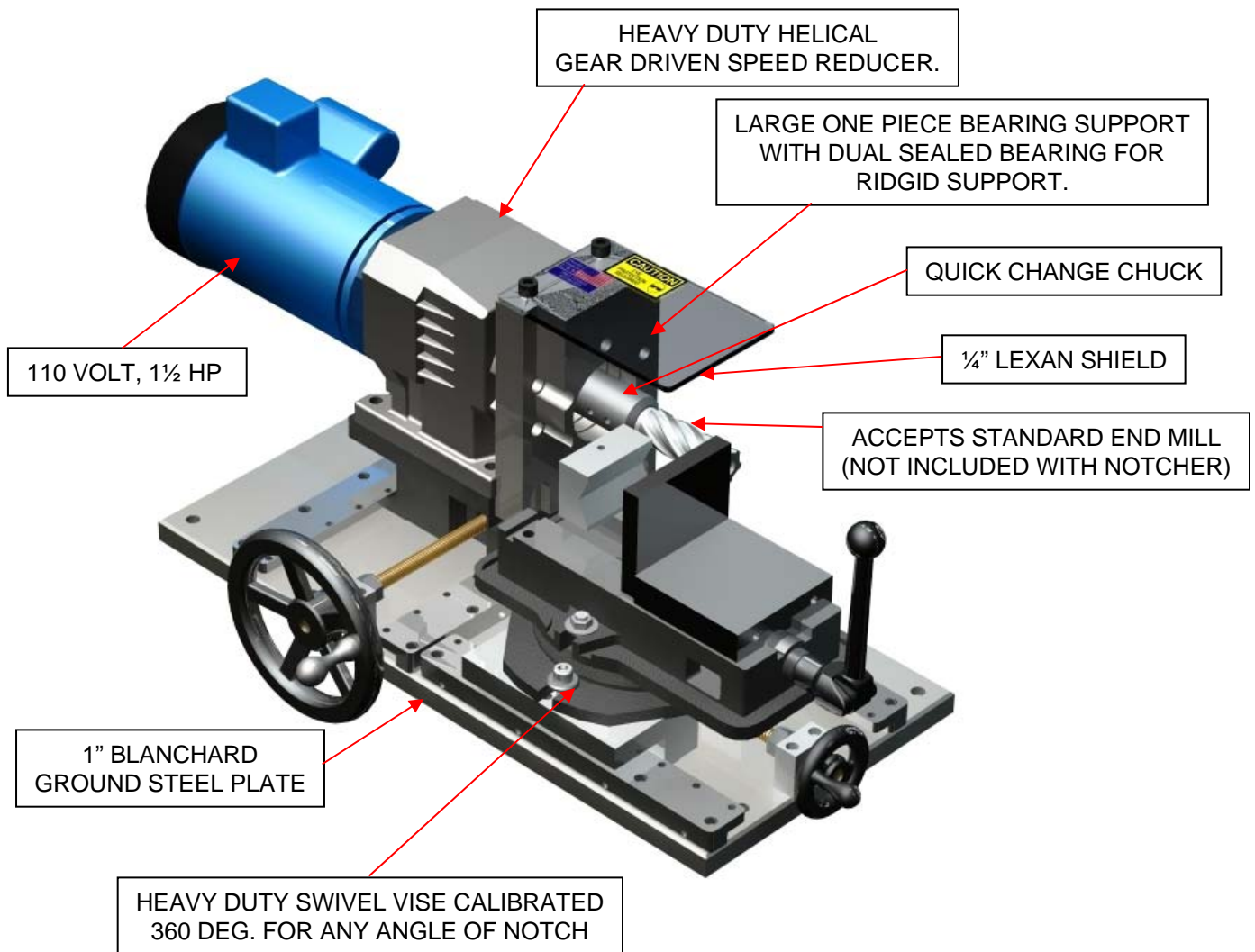
- 1 Always disconnect power before attempting to service this machine.
- 2 Always wear safety glasses or other approved eye protection while operating or servicing this machine
- 3 Keep all body parts and foreign objects away from moving parts. DO NOT reach into the machine without disconnecting the power source.
- 4 Do not attempt to override any safety device on the machine.
- 5 Do not operate the machine if it has been damaged or is not operating properly.
- 6 Do not wear loose fitting clothing or jewelry while operating or servicing this machine.
- 7 Replacement parts should have the same specification and operation as the original parts on the machine.
- 8 All guards and shields covers must be in place before operating the machine.
- 9 Before starting the machine be sure it is set up properly.
- 10 Make sure the machine is properly grounded.
- 11 The machine and work area should be kept neat and clean.
- 12 Do not operate or service this or any machine while under the influence of drugs or alcohol!

# “GODZILLA” END MILL NOTCHER *SET UP*



WHEN YOU RECEIVE YOUR GODZILLA IT WILL HAVE BEEN SHIPPED ON PALLET. REMOVE THE CARDBOARD BOX THAT IS COVERING THE UNIT. NEXT YOU WILL LOOSEN THE SHIPPING BOLTS. IT IS RECOMMENDED THAT YOU USE A FORKLIFT TO PICK UP UNIT AND MOUNT EITHER ON STAND OR TABLE. PICK UP UNIT AS INDICATED BY THE RED ARROWS. IT IS ALSO RECOMMENDED THAT YOU USE STRAPS TO SECURE UNIT TO FORKLIFT TO PREVENT TIPPING. WHEN UNIT IS IN PLACE SLIDE OFF FORKS AND ONTO MOUNTING SURFACE.

# “GODZILLA” END MILL NOTCHER FEATURES



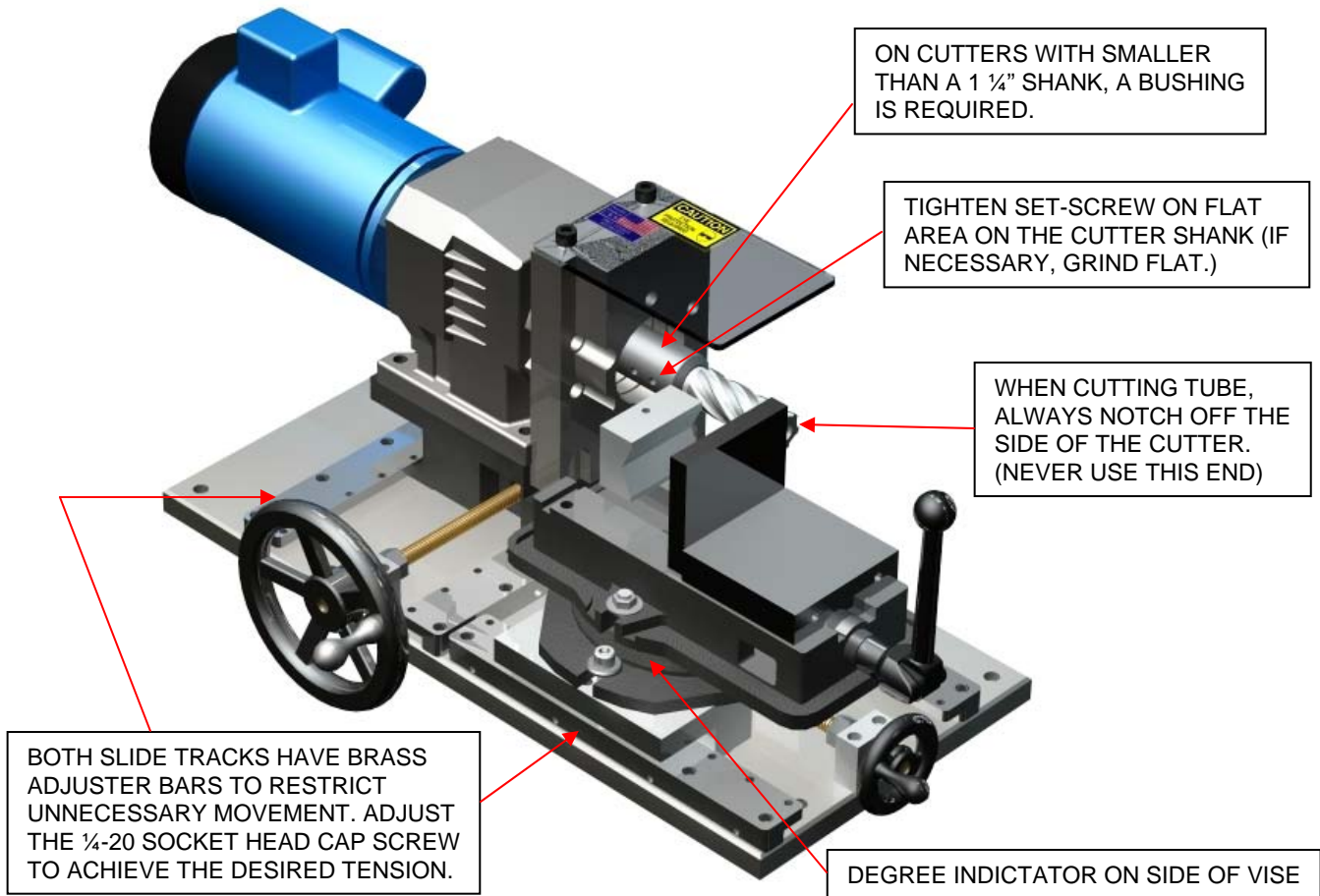
AT OVER 600lbs, THIS IS THE TOUGHEST, MOST ACCURATE TUBE NOTCHER AVAILABLE ON THE MARKET TODAY. IT IS SPECIFICALLY DESIGNED FOR THE PROFESSIONAL WHO NEEDS TO PRODUCE LARGE QUANTITIES, WITH A HIGH LEVEL OF ACCURACY.

NOTE: TOTAL WEIGHT – 625lbs  
SHIPPING WEIGHT – 708lbs

# GODZILLA

## END MILL NOTCHER

### *OPERATING INSTRUCTIONS*



## NOTCHER USE:

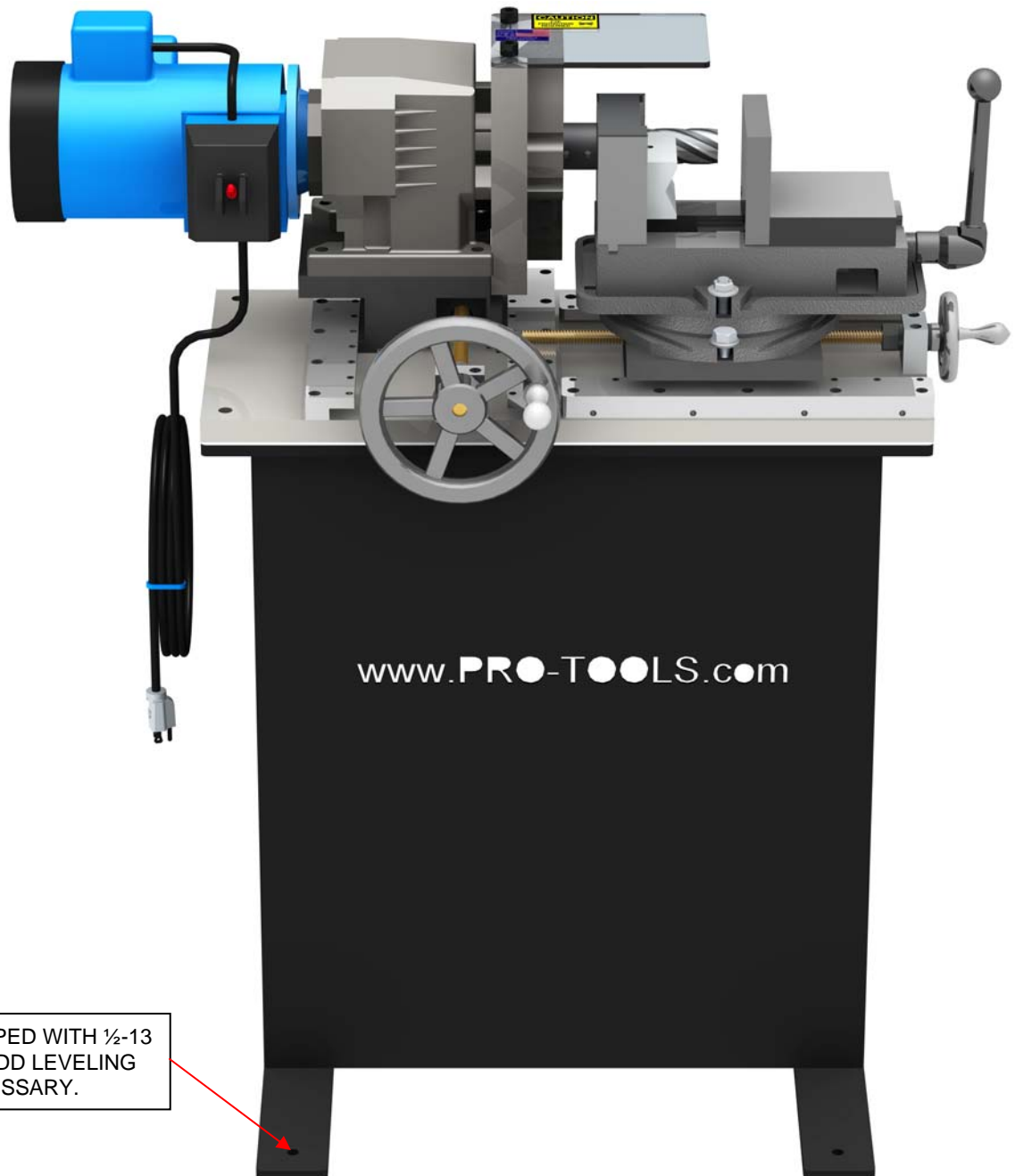
- LUBRICATE ALL MOVING PARTS WITH WD-40 OR LITHIUM GREASE
- SET VICE AT DESIRED ANGLE AND POSITION TUBE IN THE CENTER OF THE CUTTER (SEE SHEET 5)
- TURN MOTOR ON AND SLOWLY TURN THE LARGE WHEEL TO FEED CUTTER INTO TUBE. (**DANGER: DO NOT LET END OF CUTTER COME IN CONTACT WITH TUBE**)
- AFTER EACH DAYS USE, ALL SLIDE RAILS SHOULD BE CLEANED AND OILED.

# GODZILLA

## END MILL NOTCHER

### COMPLETE ASSEMBLY PICTURED

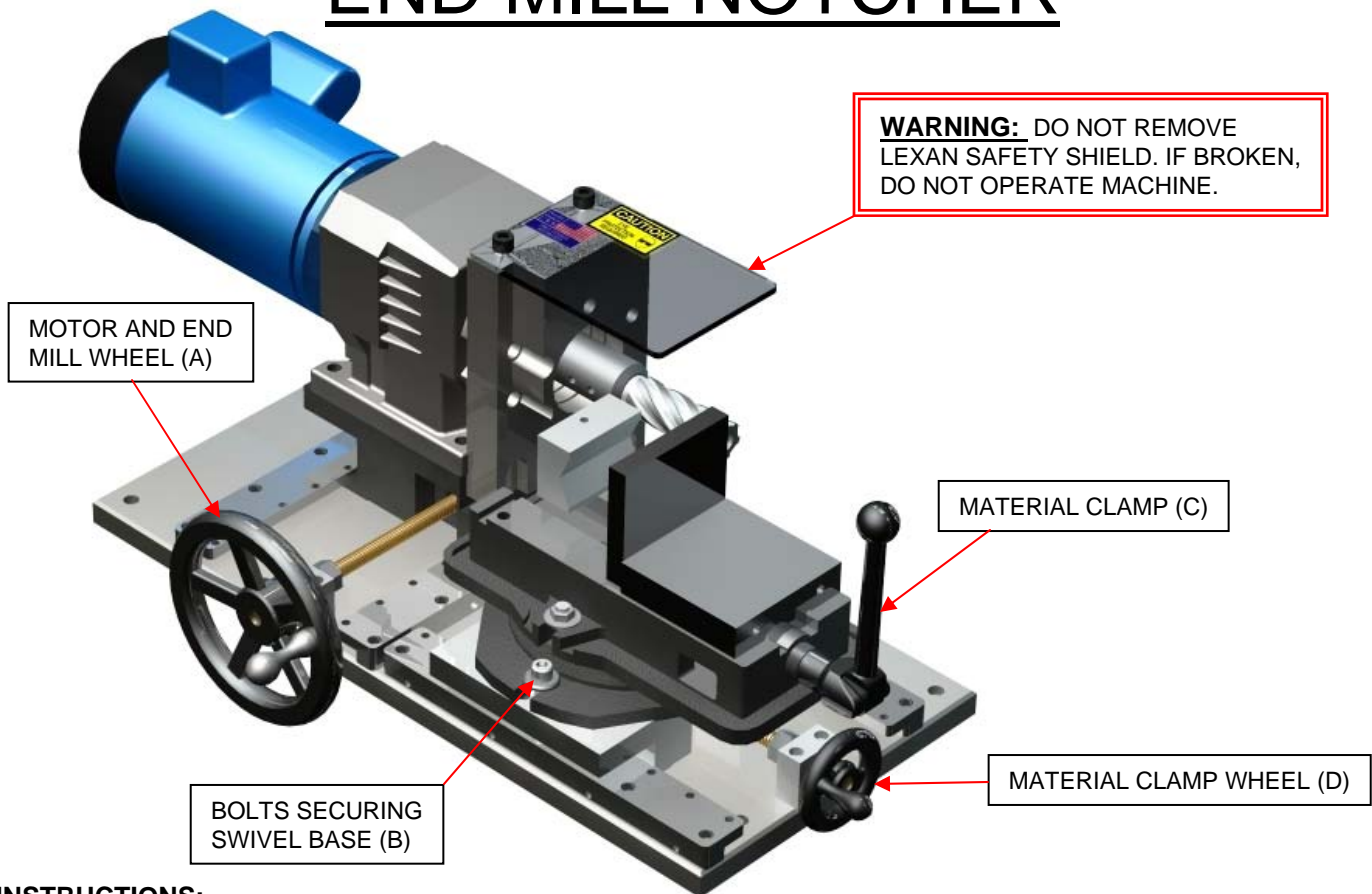
(LESS CUTTER)



FEET ARE TAPPED WITH ½-13  
SO YOU CAN ADD LEVELING  
BOLTS IF NECESSARY.

# GODZILLA

## END MILL NOTCHER

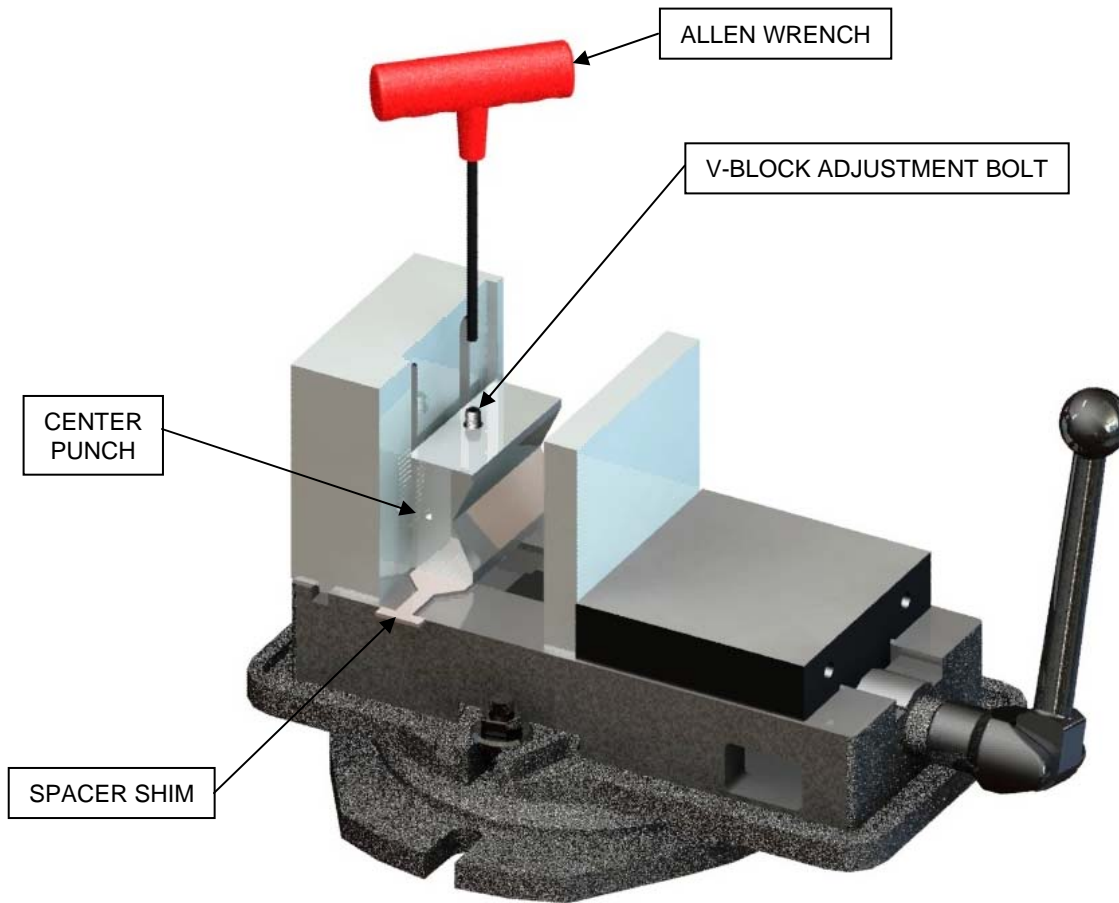


### INSTRUCTIONS:

- WEAR SAFETY GLASSES OR SAFETY SHIELD.
- TURN MOTOR AND END MILL WHEEL (A) UNTIL THE END MILL IS FARTHEST FROM THE VISE.
- LOOSEN BOLTS (B) SECURING THE SWIVEL BASE TO OBTAIN THE DESIRED ANGLE FOR YOUR PARTICULAR JOB. MAKE SURE YOU RE-TIGHTEN THE BOLTS!!
- OPEN VISE WITH MATERIAL VISE HANDLE (C) AND SECURELY CLAMP MATERIAL TO BE MACHINED. DO NOT EXTEND MATERIAL ANY MORE THAN NECESSARY OR CHAFFING MAY OCCUR.
- BRING THE CUTTER CLOSE TO THE MATERIAL (BUT NOT TOUCHING) BY TURNING THE MOTOR AND END MILL INTO THE MIDDLE AREA OF THE CUTTER. **WARNING: NEVER NOTCH USING THE END OF THE CUTTER.**
- SWITCH THE MOTOR ON AND TURN THE MOTOR AND END MILL WHEEL (A) BRINGING THE END MILL INTO THE MATERIAL TO BE MACHINED.
- AFTER DESIRED NOTCH HAS BEEN ACHIEVED, SEPARATE THE CUTTER FROM THE MATERIAL, TURN OFF THE MOTOR AND RETURN THE END MILL TO THE FARTHEST POSITION AWAY FROM YOUR MATERIAL.
- DO NOT FORGET TO CLEAN MACHINE WITH WD-40 WHEN FINISHED.

# GODZILLA

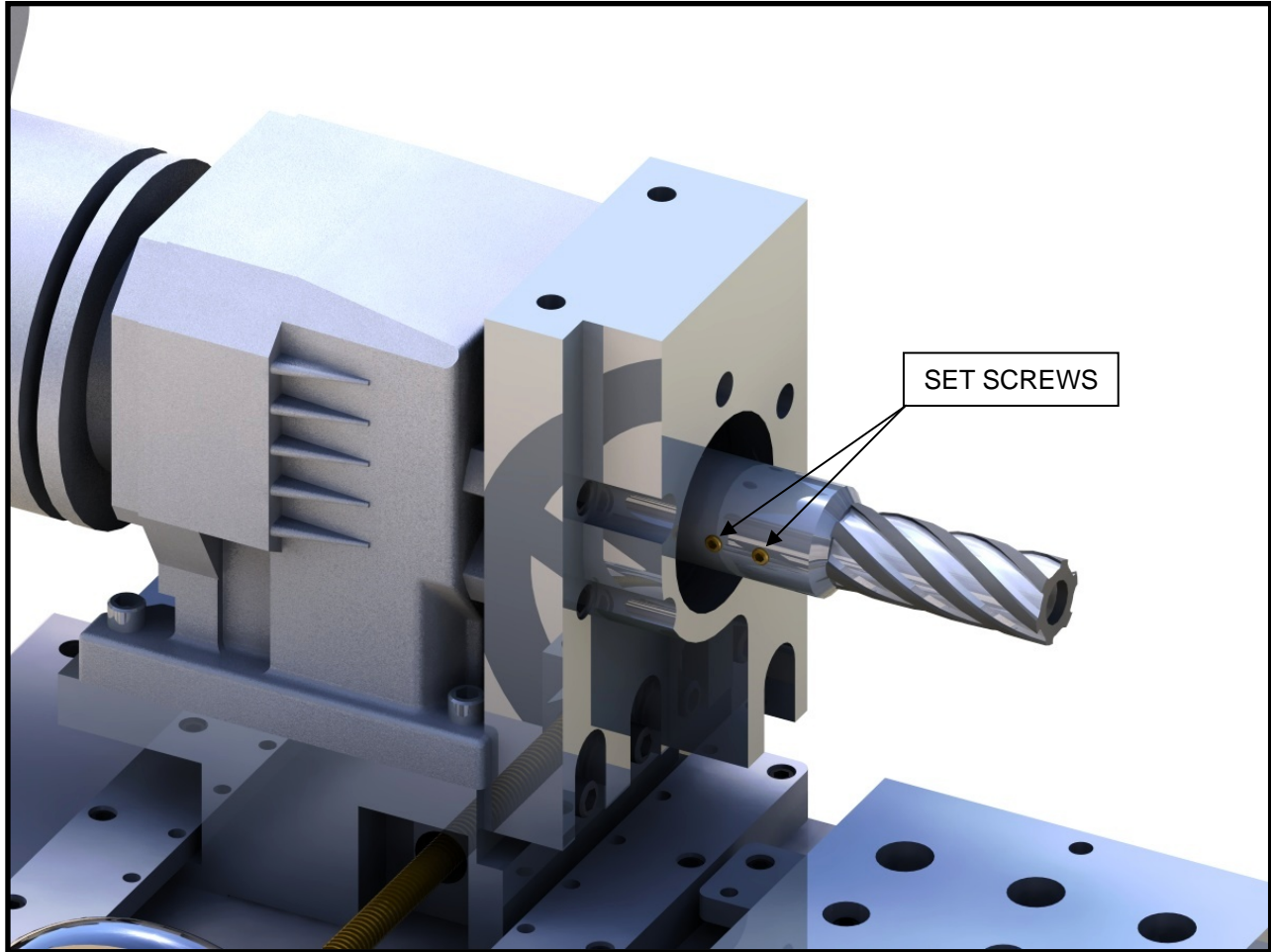
## END MILL NOTCHER



### INSTRUCTIONS:

- 1) IT WILL BE NECESSARY TO CUT SEVERAL SMALL LENGTHS OF TUBE FOR TESTING PURPOSES.
- 2) TO ADJUST V-BLOCK (LOOSEN BOLTS IN REAR, INSERT SPACER SHIM UNDER V-BLOCK HEIGHT YOU NEED. TIGHTEN BOLTS ON REAR OF V-BLOCK. (TAKE THE SPACER SHIM OUT & KEEP IN TOOLBOX)
- 3) INSTALL TUBES ONE AT A TIME MAKING 90 DEGREE CUT AND ADJUSTING THE V-BLOCK AS NECESSARY TILL TUBE NOTCHES ON CENTER.
- 4) ONCE YOU HAVE COMPLETED YOUR TEST NOTCH AND ARE SURE IT IS CUTTING ON CENTER IT WILL BE NECESSARY TO CENTER PUNCH SIDE OF V-BLOCK SO THAT IT LINES UP WITH THE ZERO. ONCE THIS IS COMPLETED YOU WILL HAVE A REFERENCE SO THAT YOU CAN RAISE OR LOWER THE BLOCK FOR OFFSET NOTCHING AND RETURN FOR CENTER CUTS WITH NO PROBLEM.

# “GODZILLA” END MILL NOTCHER *CHANGING CUTTERS*



TO CHANGE CUTTERS, YOU WILL NEED TO USE AN ALLEN WRENCH TO LOOSEN SET SCREWS INDICATED ABOVE. SLIDE CUTTER OUT AND REPLACE.

## **IMPORTANT!!!!**

SMALLER CUTTERS WILL REQUIRE AN INSERT THAT YOU CAN ORDER FROM OUR SALES STAFF. THE INSERT SLIP OVER THE CORRESPONDING CUTTER AND THEN SLIDE INTO SHAFT ADAPTER. USE THE SAME SET SCREWS TO TIGHTEN.



## END MILL NOTCHER

### FAQ's

Q: WHAT TYPE OF MATERIAL CAN I NOTCH?

A: YOU CAN NOTCH UP TO 2" SCHEDULE 40 OR 2 3/8" O.D.

Q: HOW MUCH OF AN ANGLE CAN I NOTCH?

A: YOU CAN NOTCH ANYWHERE FROM 0-90 DEGREES.

Q: ARE ALL PARTS MADE IN THE USA?

A: YES, ALL MACHINED PARTS ARE CNC MACHINED AT OUR FACILITY AND ALL OTHER PARTS ARE ALSO USA MADE.

Q: WHAT KIND OF POWER SOURCE DOES IT COME WITH?

A: THE POWER SOURCE IS A HEARTY 1 ½ HP 110V MOTOR WITH A GEAR REDUCTION

Q: WHAT TYPE OF END MILLS SHOULD I USE?

A: USE STANDARD END MILLS UP TO 2 3/8"

Q: CAN I UPGRADE TO LARGER OR VARIABLE SPEED MOTOR.

A: NO, THIS MOTOR PACKAGE IS THE BEST CHOICE FOR THIS CONFIGURATION.

Q: IF SOMETHING BREAKS CAN I GET A REPLACEMENT PART.

A: YES. IF IT IS NOT COVERED BY THE WARRANTY YOU CAN CONTACT OUR SALES DEPARTMENT AND THEY WILL ASSIST YOU IN GETTING THE CORRECT PART.