

Using your Engrave Chekker:

The unit consists of a spring loaded pencil that will follow and draw the center line of ANY tool path programmed into your machine. The design will compensate for inherent irregularities in the “Z” axis programming without breaking off the tip of the pencil.

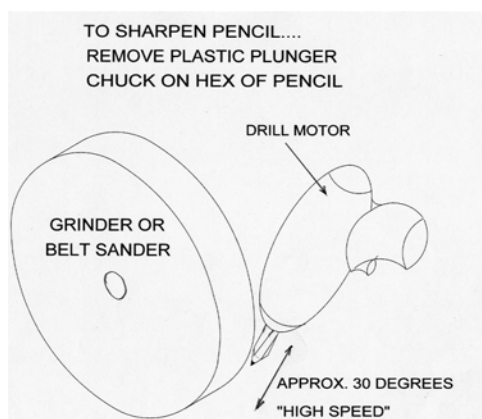
By drawing a small “+” at the point you (guess) the program will start and then “zeroing”, you can run your program and check that it will indeed fit on the part and where the engraving will be located on the part. Any programming errors will also be noticeable on the drawing.

We suggest you tape a piece of paper on the part, place the “+” by using the X and Y axis’s by hand, return the machine to the center (zero) of the “+” and run the program. If you find the engraving is too far off on any of the axis’s, simply move the positioning of the “+” accordingly and re-zero.

Note that it is NOT NECESSARY to turn on the spindle motor to accomplish the above, in fact it is recommended you do not.

As with ANY tool in your machine, be careful the tool does not contact any of the hold-downs or the machine itself. Initially, keep your “Z” axis high off the part, run and “air” check to avoid an accidental collision.

You can make your own pencils when needed by cutting a regular pencil to about 1 ½” and turn (lathe) the end down to .242 for about 3/16”. Sharpen as shown in the sketch below and then press the small plastic plunger on.. When disassembling the unit, be careful not to lose the small spring.



You will find this tool particularly useful if you find it necessary to “re-scale” your engraving. Normally, the “zero” point will not change, only the size of your engraving. However, you may THEN find it necessary to change the zero point also.

The idea is to waste a piece of paper rather than your part!

Have Fun!