

INNOLEDY ENGLISH HORN GOUGER

Included with the travel box are:

Gouger
Micrometer for gouger
Table Clamp
Springs (two)
Pusher
Handle for pusher

SET UP

1. Clamp the gouger to a table or secure surface.
2. Pull pusher out of the bed.
3. Install the springs. You will simply need to slip the springs on to the rubber wheel housings on the left of the bed as you look at the gouger from above. (These springs should be removed every time you use the gouger to prevent them from weakening as a result of being permanently held in an extended position. It is an easy process to put them on and off.
4. Connect the pusher crank handle and tighten the set screw.
5. Disengage the “Blade Lock” by moving it into an “up” 90% position. Rotate the Thickness Control Dial at the blade end of the machine that controls the height of the blade counterclockwise until it stops. Blade is now all the way down, then install the micrometer and set it at .0mm. (Since the needle of the micrometer is NOT really in the middle, you want to gently push down the micrometer, using as little force as possible to make the needle to be in the middle, so that it gives you a friendlier look. If you are not up to the challenge, you can always leave the needle the way is, just turn the face of the micrometer.

Helpful hints to remember:

You don't need pre-gouger, get rid of yours!!!

When the dial micrometer on the gouger reads **0.57mm** (or what ever the number according to each individual machine, **check the sticky note I left for you in your gouger box!!!** it can be 0.61 mm or 0.59mm, **I will be using 0.57mm as an example throughout this instructions**) the actual gouge will be and will read **0.70mm** on the hand held micrometer.

Lift the pusher (just a tiny bit) each time before each pass, so that the tip of the pusher always touch the end of the cane. Otherwise, if the pusher gets on top of the cane during the pushing, they both will JAM together!!!!

Thickness control dial at the blade end of the machine controls the height of the blade.
Moving it **clockwise** elevates the blade and makes the gouge heavier.
Moving it **counterclockwise** lowers the blade and makes the gouge thinner.

The “Blade Lock” lever locks the blade at the setting you have chosen. It needs very little pressure in order to secure the blade. Do not push it too hard.

I recommend four passes for a more control.

You can set the *first pass* at **1.40mm**

The *second pass* I recommend is at **1.10mm** on the gouger’s micrometer

The *third pass* should be at **.80mm**

And the *final pass* should be at **.57mm** or **the number according to your own machine** which will produce a finished gouged piece of cane at .70mm

You may if you wish measure the cane after each setting but you will discover that it is not necessary to do so.

When you get comfortable with the gouger you can do as many pieces of cane as you wish at each setting and not feel you have to reset the blade for each piece of cane. This will increase both your accuracy and speed.

INSTRUCTIONS FOR USAGE

1. Disengage the “Blade Lock” by moving it into an up 90° position. Set blade so that the micrometer on the gouger reads **1.40mm** and lock the “Blade Lock” by moving it gently to the left.

Pull the two rubber wheels off of the gouger bed by squeezing the little levers on the wheel housing and carefully position a piece of dry, split and gillouiteened piece of cane into the bed of the gouger. Gently release the rubber wheels so they will hold the cane securely into position as it passes through the blade. Put the “pusher” into the opening at the end of the gouger closest to you and while holding the “pusher” up rotate the crank mechanism pushing the cane past the blade. Make sure that the pusher has gone all the way through so as to push the cane past the blade. Gently pull the cane out.

2. Disengage the “Blade Lock” by moving it into an “up” 90° position. Set blade so that the micrometer on the gouger reads **1.10mm** and lock the “blade lock” by moving it gently to the left. .

3. Disengage the “Blade Lock” by moving it into an up 90° position. Set blade so that the micrometer on the gouger reads **0.80mm** and lock the “blade lock” by moving it gently to the left.

4. Now, before you do your last pass, I want you to take the cane now to your handheld micrometer, to measure the thickness, see how far you need to lower the micrometer on your gouger, remember the gouger micrometer is for gouging purpose ONLY. For instance, if your gouger micrometer reads **0.90mm** now, then you just need to lower another **0.20mm** on gouger micrometer to achieve **0.70mm** on your real micrometer.

5. Disengage the “Blade Lock” by moving it into an “up” 90° position. Set blade so that the micrometer on the gouger reads **0.57mm** and lock the “blade lock” by moving it gently to the left. Repeat the process in the previous paragraph remembering that this will now gouge the cane at .70mm.

You are now finished.