



Calibration

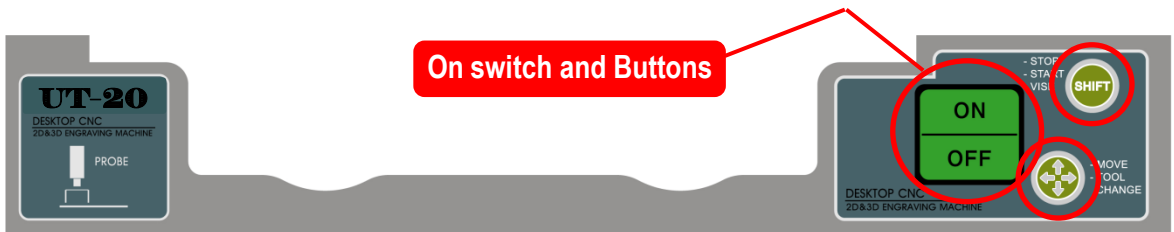
58-002 Flat Vice Engraver





Unit consist of 3 different calibration:

- 1- Probe Calibration
- 2- Laser Pointer Calibration
- 3- Vise Center Calibration

**** Calibration mode can be done by pressing 1 of 2 function button in conjunction with switching on the power button.**

Hold down either  or  and flip the (ON) switch. Depending on how long the buttons are press, this will vary the calibration.



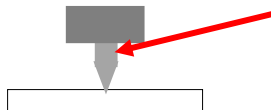
Key	Pressing Time	Calibration
 + 	Short Press	Laser Pointer Calibration
	Long Press (for more than 2 seconds)	Probe Calibration
 + 	Short Press	Center Vise Calibration.



Probe calibration :

- Probe calibration is necessary when the diamond drag tip is replaced or installed.
- When the diamond tip does not touch the work area during a flat plate engraving.


*** Diamond drag tip must be installed first.

1- Place a flat object in the center vise and then tighten it. Slightly loosen the diamond tip using the T – Wrench.



2- Hold  button and switch on the power. Hold  button until a long beep is followed by couple of short beeps. Then let go of the button.

3- Engraver will go through initialization and move to the center of the vise. Then it will automatically lower the tip down to the center of the vise. At this point, if the tip was not inserted long enough, it will push it in. If the tip was in too far, you have to manually pull down the tip and have it touch the surface of the plate.

4- Press  for 2 seconds to finalize the calibration. The engraver will go up and come back down to recheck the length and save the settings.



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Laser Pointer calibration:

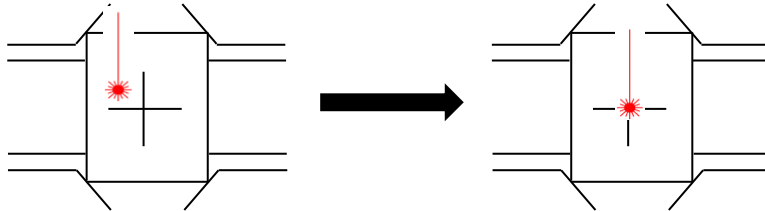
- If the engraving occurs outside the laser pointer area, laser pointer calibration must be done.
- This calibration aligns both the diamond tip and the laser pointer in the same origin.







1- Place a flat object in the center vise and then tighten it.


2- Press and hold  button and turn the power (ON). Release the  button as soon as the engraver beeps.

3- The engraver will move to center of vise, then will draw a cross (+) mark on the plate. The laser pointer will be lit afterwards. The mark and laser does not indicate the center of the vise. This procedure is to make the alignment.





4- Move the red laser pointer to the center of the cross using the buttons illustrated below.



Short Press →	Long Press →	Short Press →	Long Press →
 Move Right  Move Left	 Mode Change Left / Right to Up / Down	 Move Up  Move Down	 Save calibration and return home

5- Press  button to save the calibration.

Button Reference:

- Short press of the button   will move the pointer to left to right or up and down depending on the mode.
- Long press of  button will change the directional mode.
- Long press of  button will save the pointer calibration and return home.

Calibration

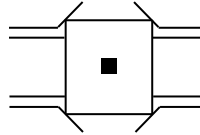
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Vise center calibration

- Vise center calibration sets the center origin of the engraver.

- After data is transmitted to the engraver, the laser will indicate the center of the engraving. If the engraving was centered in the software, the laser should point directly in the center. If it's not, calibration should be done.

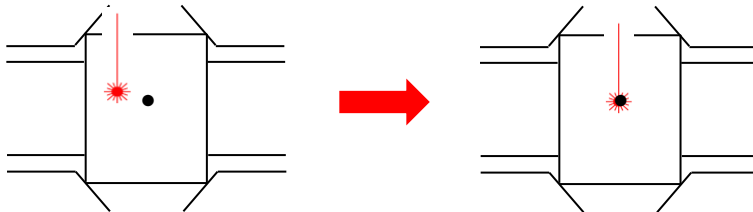
- 1- Prepare a flat object (circular or square) with a mark directly in the center. Tighten the vise to secure the object.










- 2- Press and hold  button and switch (On) the power. Release the  button as soon as the engraver beeps.

- 3- The engraver will move near the center of the vise and the laser will be lit.



- 4- Move the red laser pointer to the center of the dot using the buttons illustrated below.





Short Press →	Long Press →	Short Press →	Long Press →
 Move Right  Move Left	 Mode Change Left / Right to Up / Down	 Move Up  Move Down	 Save calibration and return home

- 5- Press  button to save the calibration.

Button Reference:

-Short press of the button   will move the pointer to left to right or up and down depending on the mode.

- Long press of  button will change the directional mode.

-Long press of  button will save the pointer calibration and return home.