



Using the XYZ Touch Probe



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Your Onewfinity Elite machine supports interactive part probing that allows the user to probe parts and set work offsets.

To initiate Probing tap the Probing button (Red Arrow) on the F3 page.

The dialog box shown below will appear

Understanding the Probing Dialog Box:

The Onewfinity XYZ Touch Probe is designed for Outside Probing. Tap the Inside/Outside button (Orange Arrow) until the red dots are shown on the outside of the yellow box.

Probe Diameter (Green Arrow) refers to the diameter of your cutting bit.

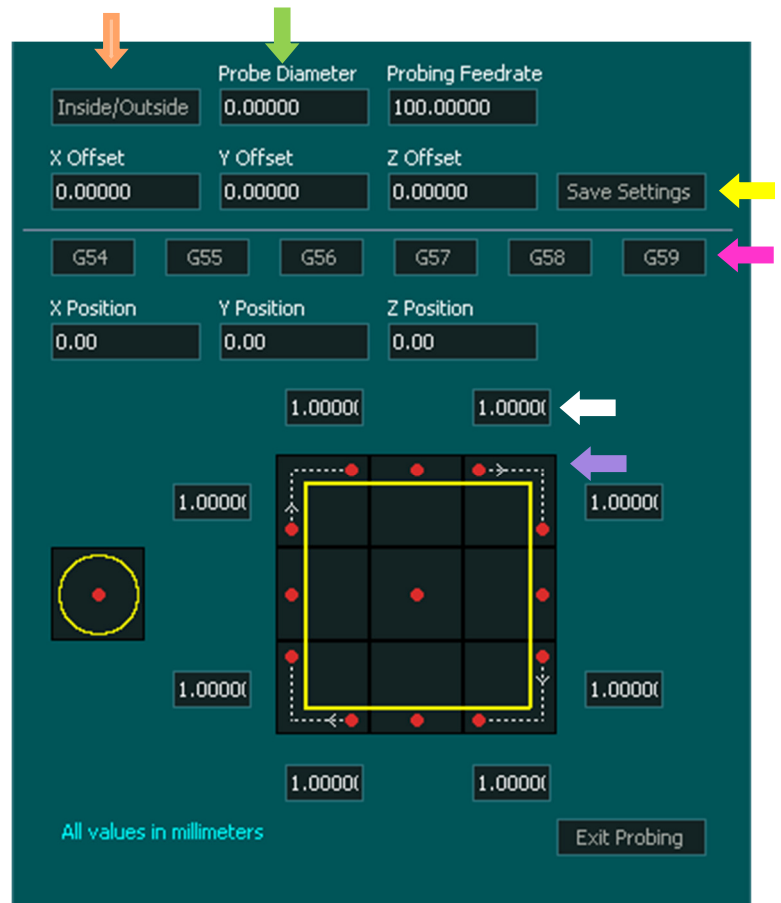
The X,Y and Z offsets (Yellow Arrow) come factory set with the nominal dimensions of the Onewfinity Touch Probe. **Important Note:** The Offset Settings are set for top right probing (Purple Arrow). If you use one of the other probing corners/sides you will need to modify your setting accordingly and save them using one of the 6 Work Offsets (Pink Arrow)

The numbers located at the corners (White Arrow) indicate how far the machine will travel in order to contact the XYZ Touch Probe.

The Red dot indicates the approximate position and side where your bit should be before starting the Probing cycle.

The Yellow Box represent your XYZ Probe.

The white dotted line between the red dots illustrates the path the machine will travel while probing.



Z-Axis Probing

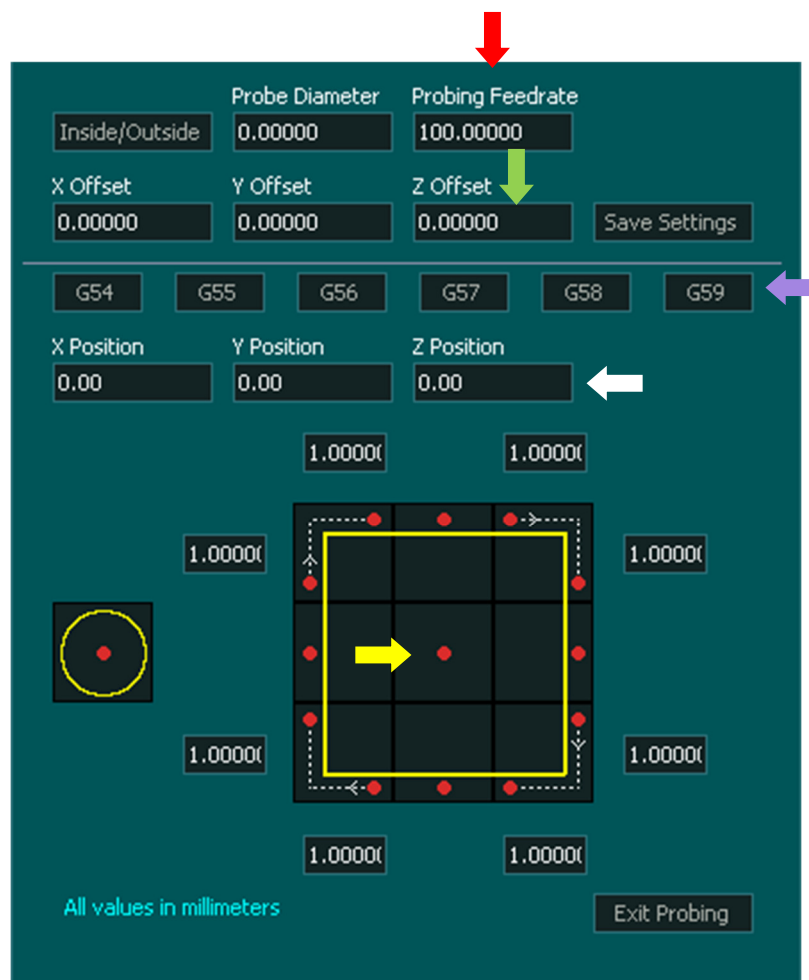
To start probing the Z-Axis, first ensure that your bit is positioned over the XYZ Touch Probe. Once your bit is over top of the probe press the center square (Yellow Arrow) This will start the Z axis probing down at the rate specified in the Probing Feedrate box (Red Arrow)

When the probe finds the surface the Z axis DRO coordinate will be updated with the value specified in the Z Position box (White Arrow)

The Z axis will then return to the starting position where probing began and display it's new coordinate based on its relative position to the probed surface.

The Z probe offset value (Green Arrow) indicates the XYZ Touch Probe thickness. This setting will be preset to the correct size from the factory. However, if you find that your Z-Axis is off slightly you can adjust this value accordingly.

Note: The probing cycle can be stopped by pressing the same or a different probing cycle button.



XY Probing

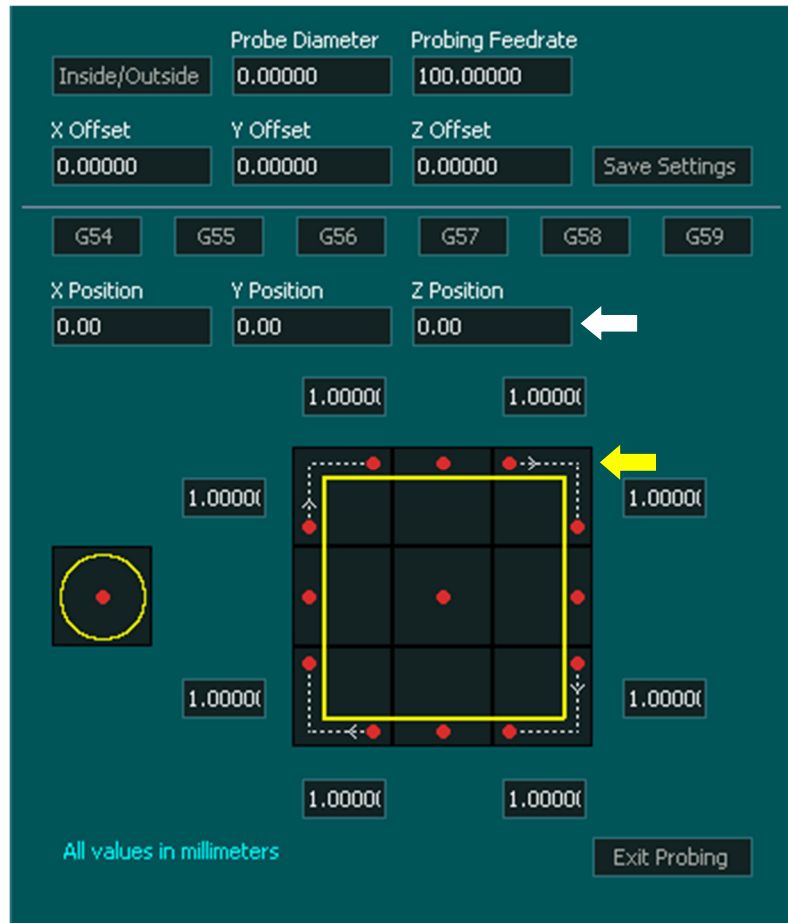
To start probing the XY-Axis, first ensure that your bit is positioned on the correct side of the Probe illustrated by the red dots and ensure the bit is low enough to contact the Probe. Once your bit is in the correct position press the top right Probe button (Yellow Arrow) This will start the XY Probing sequence.

When the probe finds the surface the DRO (digital read out) coordinate will be updated with the value specified in the X and Y Position box (White Arrow)

The machine will then return to the starting position where probing began and display it's new coordinate based on its relative position to the probed surface.

Note: The probing cycle can be stopped by pressing the same or a different probing cycle button.

Important Note: The white dotted line shown between the red dots illustrates the path the machine will travel while probing. When probing the top right corner, the machine will first probe the back, then move to the right and towards the front and probe the right side.



Using the 3 axis Touch Probe on the Elite (Masso) Video:
<https://www.youtube.com/watch?v=nzFUyrQYVmY>



General Disclaimer:

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ENVIRONMENTAL PROTECTION 

Recycle raw materials instead of disposing as waste.

Packaging should be sorted for environmental-friendly recycling. Separate collection. This product must not be disposed of with normal household waste.

WARRANTY

All Trend products are guaranteed against any defects in either workmanship or material, except products that have been damaged due to improper use or maintenance.



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