



# Smart Mark Sensor Sizes

Last Changed Mar. 23, 2021

The X and Y Sensor sizes **ONLY** apply when using multiple marks. Adjusting the X and Y size when using origin only scanning will have no effect on accuracy. When scanning multiple marks, the sensor approaches the registration marks from multiple directions. The point at which the sensor is tripped may be slightly different from one direction to another. This is where the size adjustment is needed.

The object of this adjustment is to make the size of the cut to equal the size of the printed material.

In this example, the overall printed size is 4x5, but the cut size measures only 3.98" x 4.98", so you would then decrease the X and Y sizes by about .002 at a time, then try a cut, observe where it cut, relative to the marks, and adjust the size accordingly, repeating the process until the cut measures the exact 4x5 that the printed file measures.

**NOTE:** During this process, **IGNORE** the registration of the cut at the **ORIGIN** mark for the moment, and focus just on the **SIZE** of the cut. When the cut measures 4x5, then look at the origin mark again.

Adjustment of the sensor **SIZE** does have an effect on the registration of the cut at the origin mark. Once the cut size measures correctly, you then have to increase or decrease the X and Y registration numbers until the cut is accurate at each of the outside corners of the **ORIGIN** mark, and the Rest of the marks should fall in.

