How to adjust the moving precision of Y/X axis-Cruiser-mini/Voyager

➔ Problem: The precision of Y/X axis is not correct—Cruiser-min/Voyager;

Solution overview: 1. Adjust system pulse parameters;
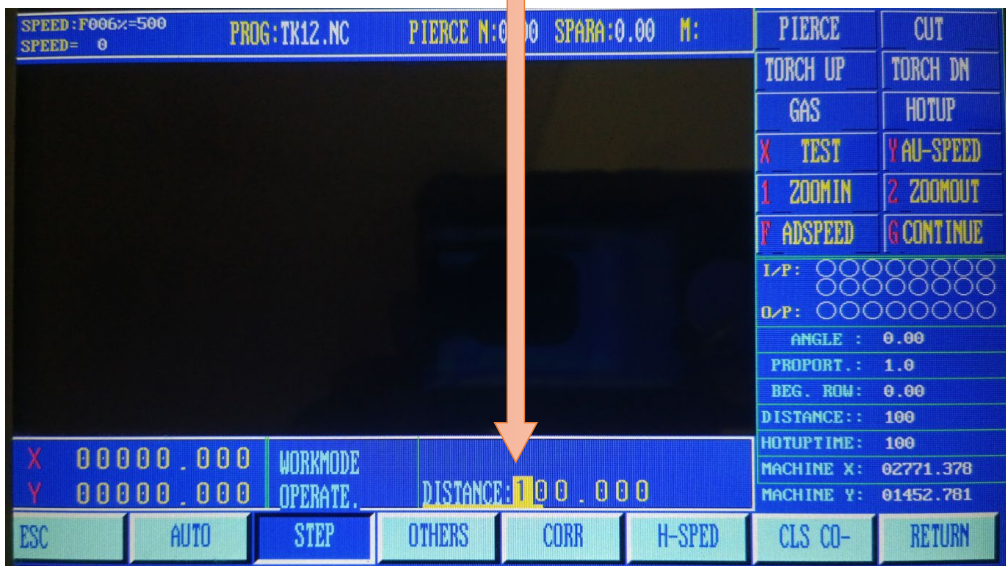
Problem analysis:

✳ 1. System pulse parameters can affect moving precision;

Solution：Step 1- Main interface →Press F2【MANUAL】into MANUAL interface→Press F2

【STEP】into set interface as show pic1

Pic1

Pic2

And then put in the value 700, Press 【 ↵ 】, → and press Y+, so the Y axis of our machine begins to move. At this time, you need to record the distance of movement.

The formula to count the machine's precision：

$$\frac{\text{Actual distance of movement}}{\text{Input system movement distance}} \times \text{System pulse value} = \text{New pulse value}$$

(Actual distance of movement / Input system movement distance) * System pulse value = new pulse value

- For example: the System Pulse value is 0.01490672，Input system movement distance is 700；and Actual distance of movement is 685, So：

$$\frac{685}{700} \times 1490672 = 1411169.49$$

And you should modify the pulse parameter in controller system to the new value：0.01411170；

If you find the moving precision is still not correct, please repeat the above steps.

Please notice:

If the situation happens in other axis, please also use this same solution.