

How to solve cutting circle into ellipse--Thunder-XPRO

→ Problem: When cutting a circle, this is an ellipse--Thunder-XPRO;

As: The machine received an external impact; The single-motor movement of the Y-axis causes the machine to deform.

Solution overview: 1. Reinstall the motor for the Y1 and y2 axes;

Problem analysis:

* Reinstall the motor for the Y1 and y2 axes;

Solution: Step 1- Separate the gears of the Y1 and y2 motors from the rack, Move the motor to the direction of arrow, as Pic shows,



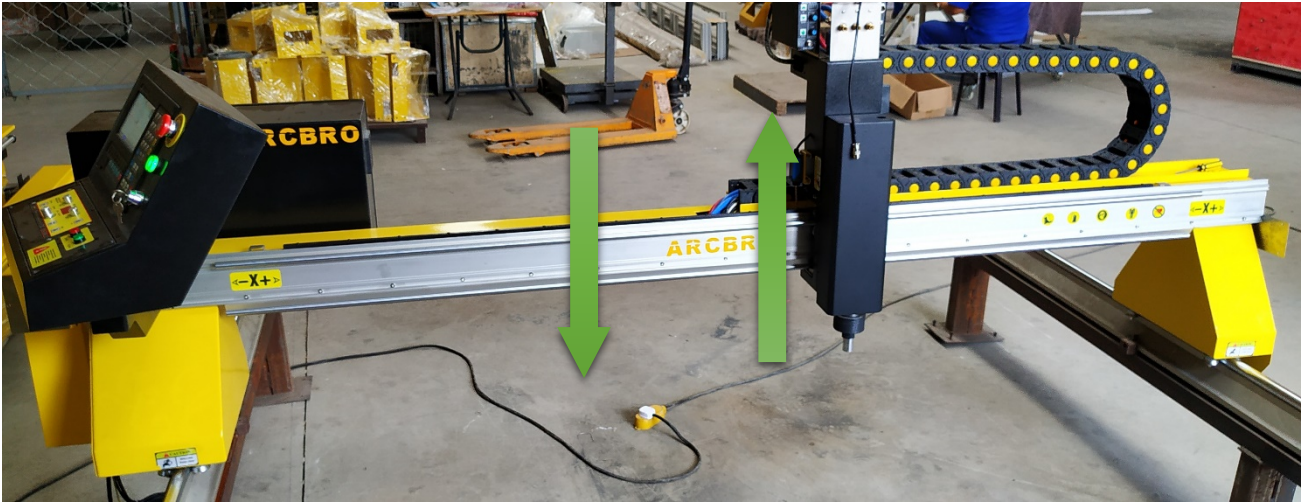
Ensure the rack and gears are separated. Then tighten the one bolts on fix plate

The same method separates the gear of the Y2 axis motor from the rack;

Step2: Push the beam by hand, Make a round-trip motion as indicated by the arrow; made the machine in a free state;

Note: The position of the push is in the middle of the beam.

Service Support Spirit

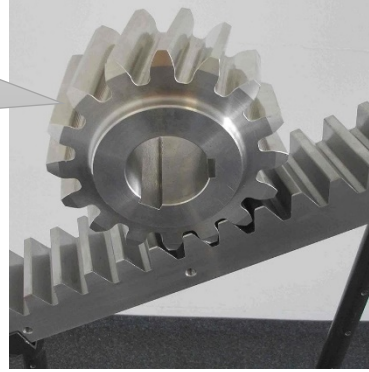


Step3: Reinstall the motor of the Y1 axis; Move the motor following the direction of arrow and ensure the rack and gears are meshing. Then tighten the bolts on fix plate.



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Mesh status



Note: Ensure the rack and gears are meshing;

Step4: Reinstall the motor of the Y2axis; Move the motor following the direction of arrow and ensure the rack and gears are meshing.



If the gear and the rack are misaligned during the meshing, rotate the gear to adjust the degree of meshed;

Note: Please do not push the beam to modify the degree of meshing

Then tighten the bolts on fix plate.

