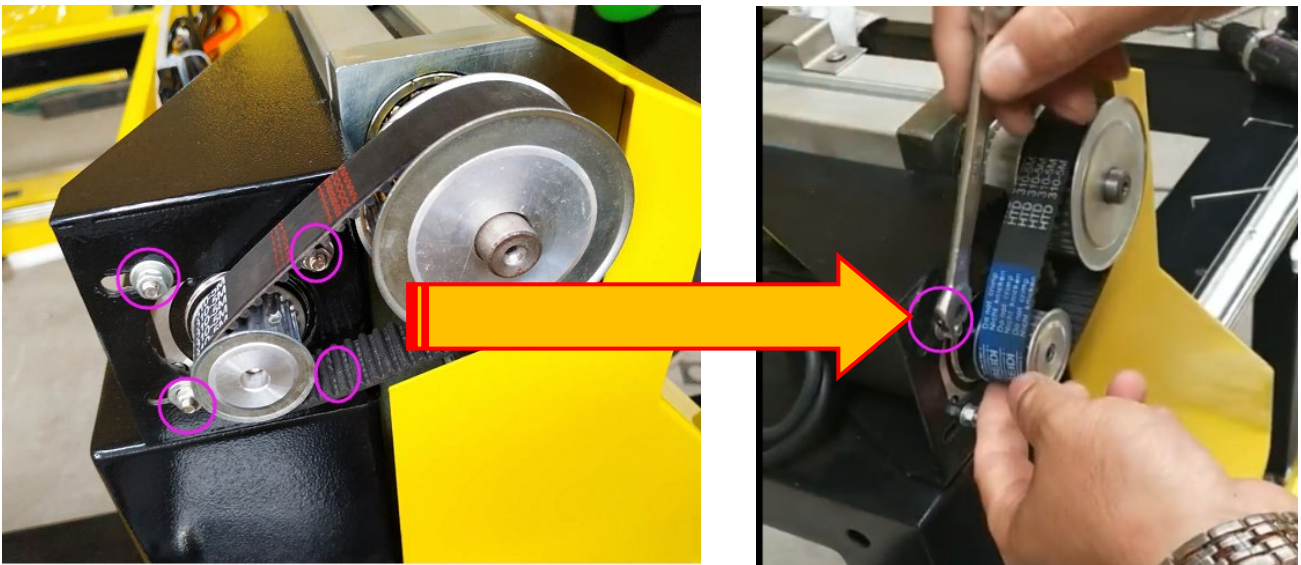# How to solve Loose y-axis timing pulley --Stinger

➔ Problem: Loose y-axis timing pulley –Stinger.

Solution overview: 1. The jackscrew y-axis timing pulley is loosed.
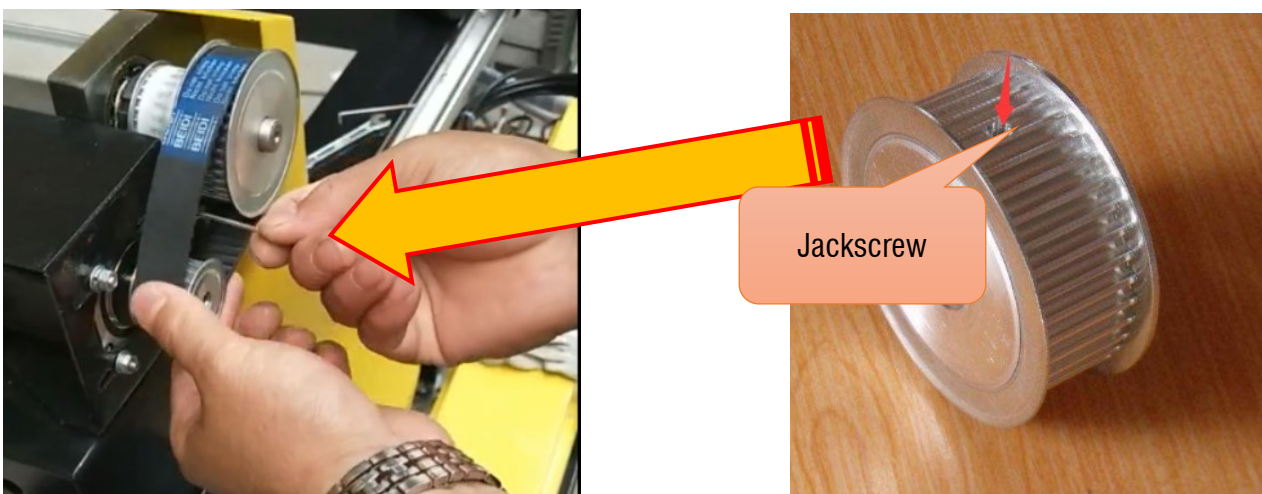
Problem analysis:

※ 1. The jackscrew y-axis timing pulley is loosed;

Solution: Step 1-- Loosen the four nuts of the Y-axis motor【See photo below】:
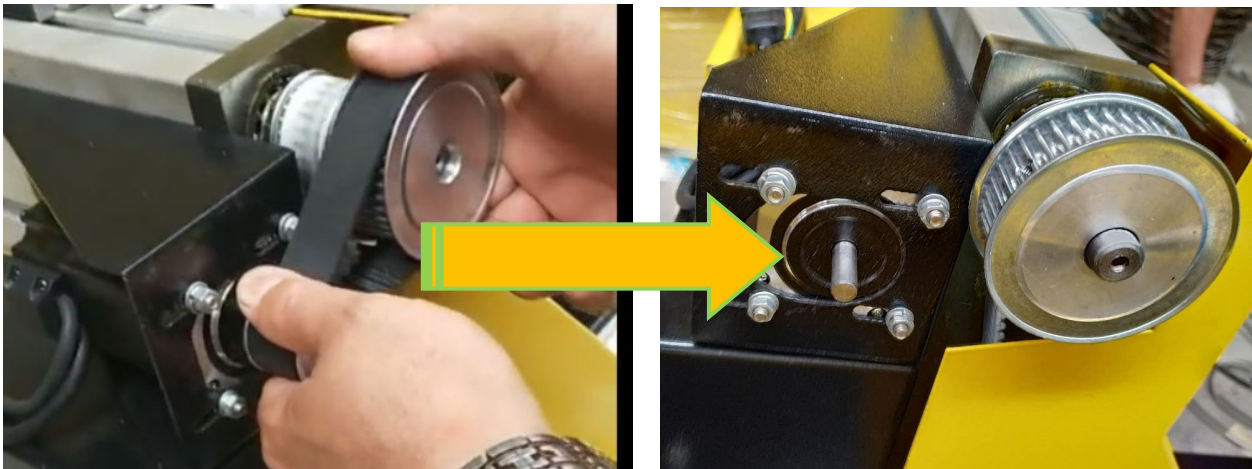

Pic1

Step 2-- Loosen the screw of the timing pulley on the motor【See photo below:】:
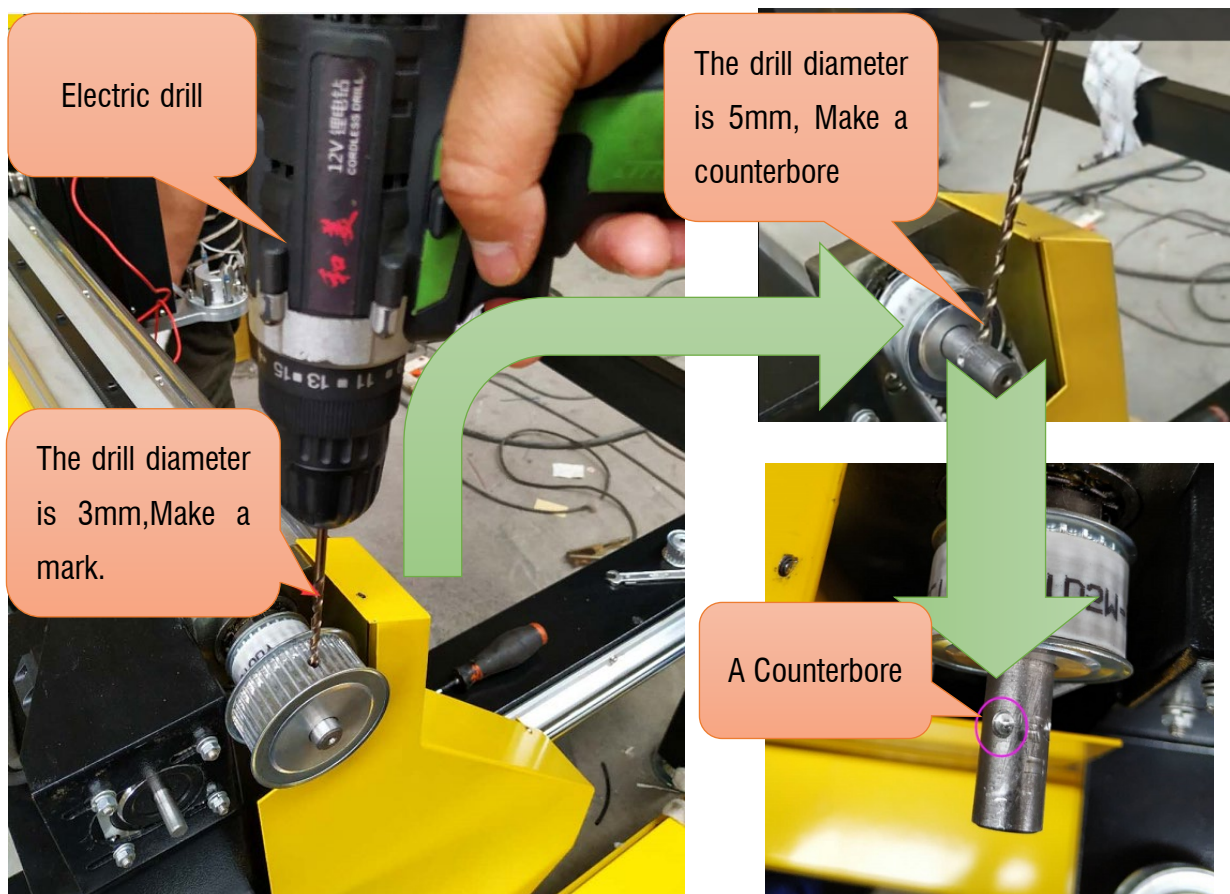

Jackscrew

Pic2

Step 3-- Remove the timing pulley and timing belt of the motor【See photo below:】

Pic3

Step 4-- Use electric drill to make a counterbore at the jackscrew position.【See photo below:】

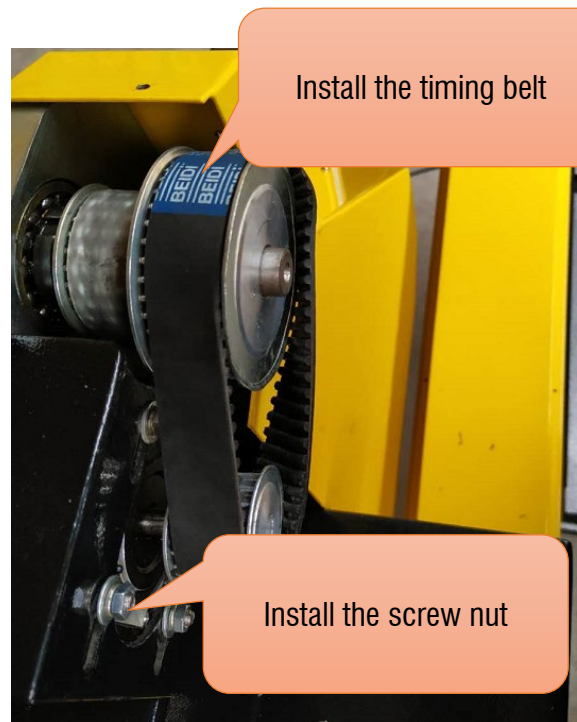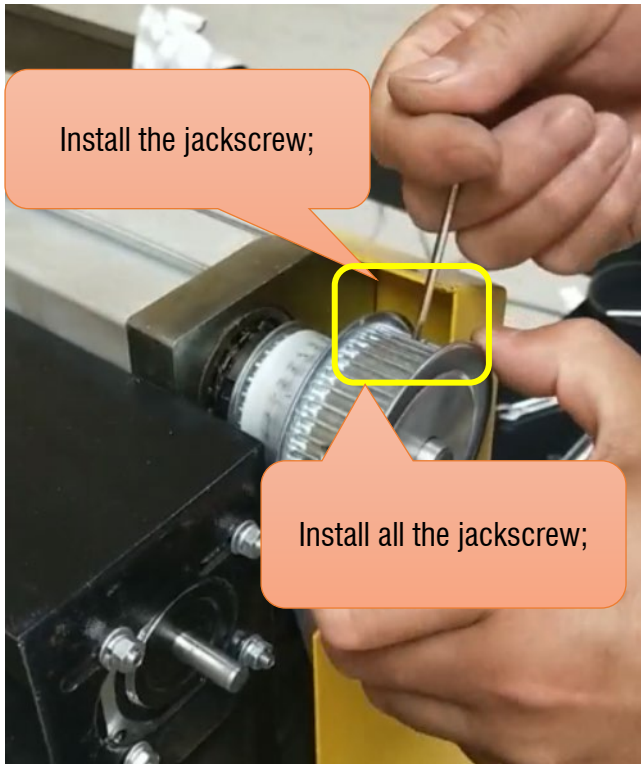Note: The drill diameter is 3mm, Drill diameter greater than 3mm will damage the threaded hole.

Electric drill

The drill diameter is 5mm, Make a counterbore

The drill diameter is 3mm,Make a mark.

A Counterbore

Pic4

Step 5-- Install the timing pulley and install the timing belt

Note: Keep the threaded hole and the counterbore concentric and then install the jackscrew; So the head of the jackscrew enters the counterbore

Install the jackscrew;

Install all the jackscrew;
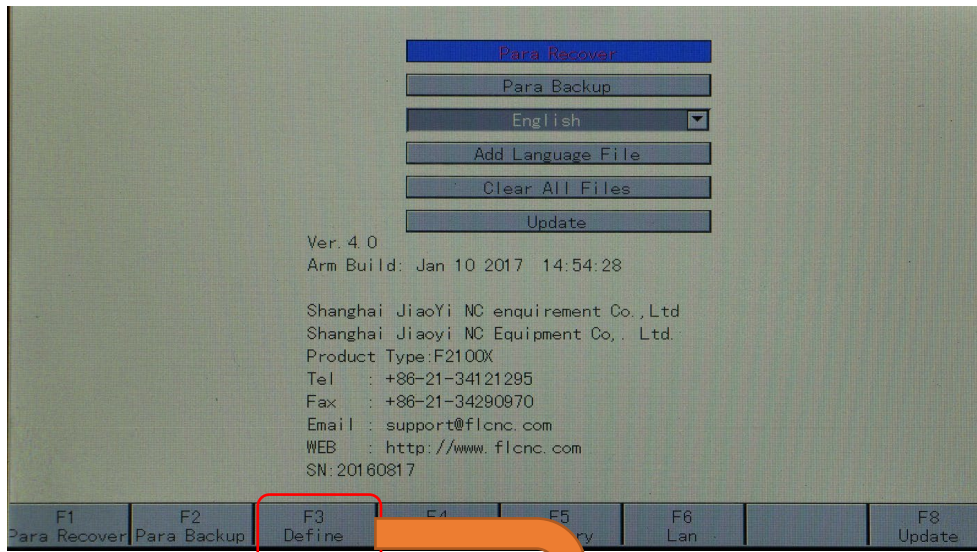
Install the timing belt

Install the screw nut

Pic5

In order to ensure stability, you need to install a second jackscrew in the threaded hole, which is the second jackscrew against the first jackscrew.

Jackscrew

Step 6-- Tested, the rotating motor timing belt pulley did not slip. Then installation cover.

Congratulations, you solved a troubleshooting

Pic1