VERSION 1

H2

ILARO.ORG

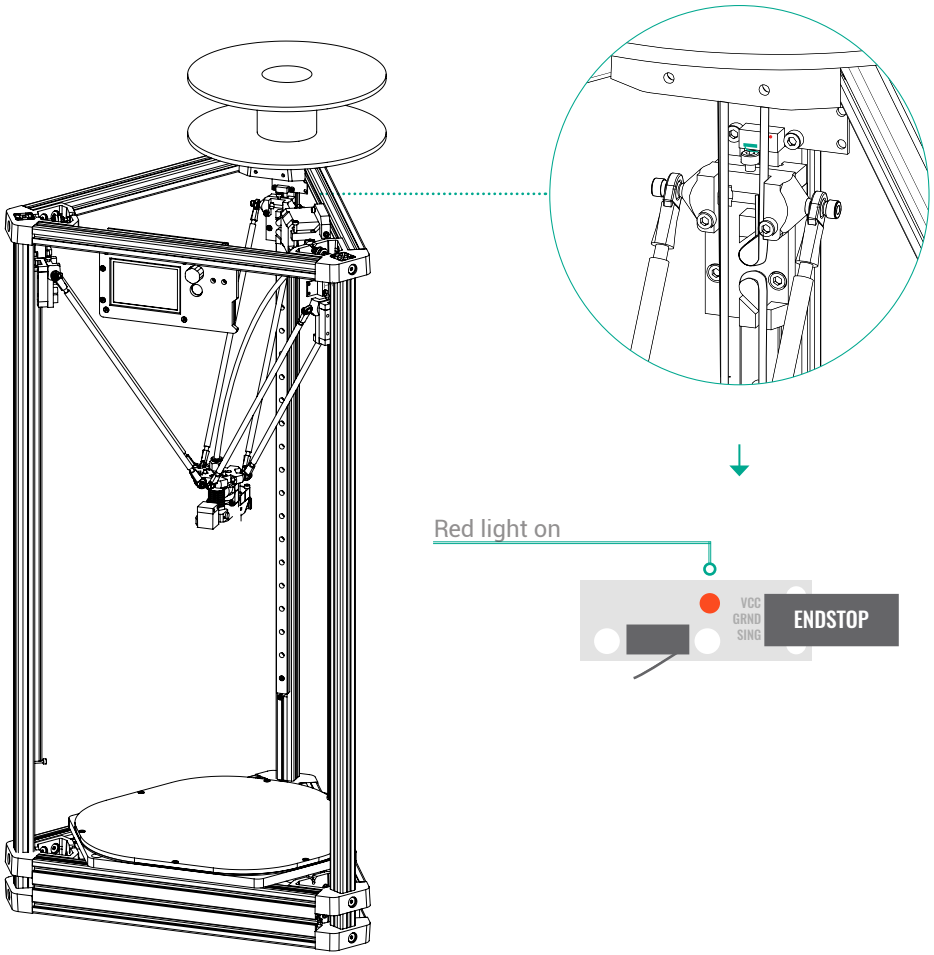
CALIBRATION

STEP 1

Home Position

Go to home position

X.0 **Y.0** **Z.h**



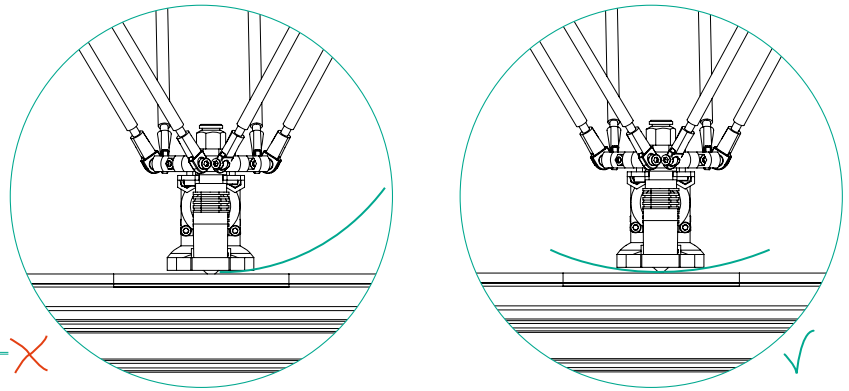
STEP 2

Z Max Lenght

Change the SW max Z

Look for the **Z maximum length** (mm). You have to change the **Eeprom** configuration

1. Write an expected higher height. Exp. 300(mm)
2. Go home position.
3. Low the Z height by the computer SW, **gradually** without touchung the base.
4. It will be ajusted, when you can spend a paper without getting caught.



Check your Z position

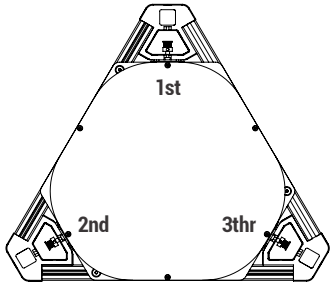
X.0 **Y.0** **Z.?**

5. Change your Z maximum length using this formula.

new (Z max.length) = **expected** (Z max.length) - **Z-?**

STEP 3

Corner Positions



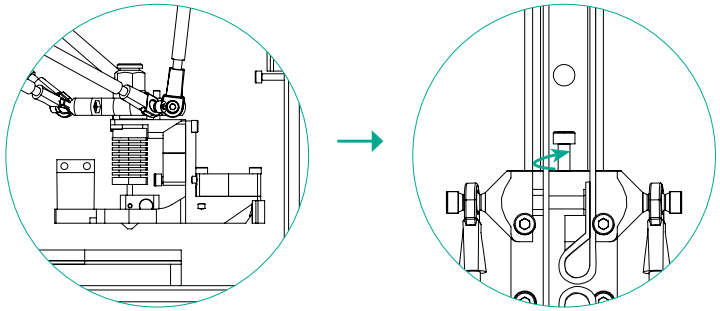
Change the HW corner positions

Set the distances to the base in corner positions, using **allen keys**.

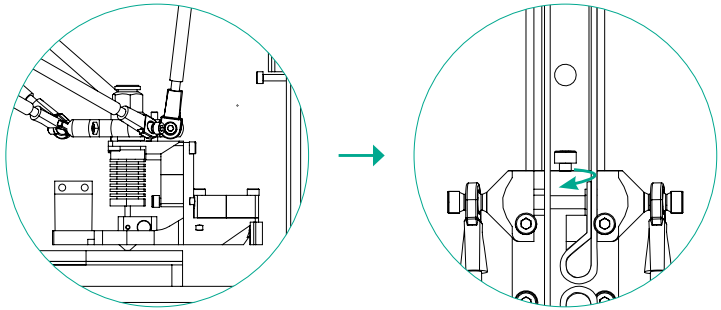
1. Go home position.
2. Go to the firt corner position. To avoid a possible crash, up the Z position.

1st Corner Position		
X.0	Y.120	Z.2

3. Opcion a. If the position is **high**, **unscrew** the screw.



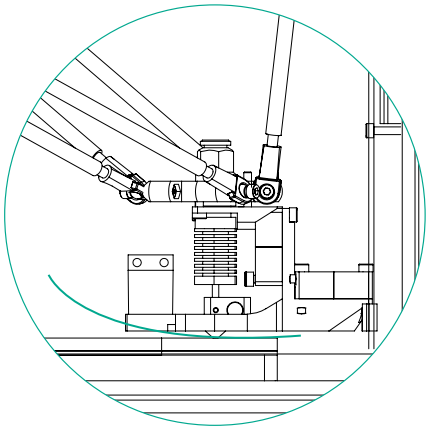
Opcion b. If the position is **low**, **screw** the screw.



4. Go home position.
5. Go again to the firt corner position.
6. Change the Z value.

1st Corner Position		
X.0	Y.120	Z.0

7. Check the result with a piece of paper..



8. If the result is O.K. continue, if not returns to the first step.
9. Check the others corner positions.

2nd Corner Position		
X.-100	Y.-70	Z.2

3thr Corner Position		
X.100	Y.-70	Z.2

STEP 4

Diagonal Straight Path

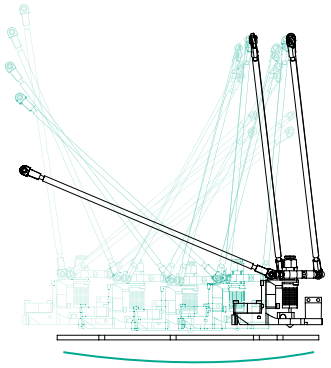
Change the SF horizontal radius

Set the **Eeprom** configuration, changing the **horizontal radius** (mm) value.

1. Go home position.
2. Go to the firt corner position, move to the opposite position and look at the movement of his career. To avoid a possible crash, up the Z position.

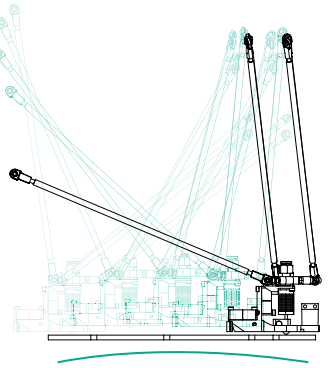
1st Corner Position				Oposite Corner		
X.0	Y.120	Z.2	→	X.0	Y.-120	Z.2
			←			

3. Adjust the value according to the movement.



Opcion a. **happy**

Decreases the **horizontal radius** to be not too happy



Opcion b. **sad**

Increases the **horisontal radius** to be happy

3. Check your change, if not O.K. repeat the instucion.

STEP 5

Model Real Dimensions

Change the SF diagonal rod length

Set the **Eeprom** configuration, changing the **diagonal rod length** (mm) value.

1. Print a simple model like a rectangle.
2. Measure your printed model in the largest dimension.

3. Compare the measurements of your printed model with your computer model. If is incorrect, change the **diagonal rod length** value, using this formula.

$$\textbf{new diagonal rod length} = \frac{\textbf{diagonal rod length} * \textbf{printed} \text{ (model)}}{\textbf{computer} \text{ (model)}}$$

CALIBRATED

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