

About Corexy system

1. The Z9 XY drive system uses the Croexy structure. For the principle of the Croexy structure, please refer to the following connections:
<https://reprap.org/wiki/CoreXY>
<https://www.corexy.com/theory.html>
2. For a Corexy drive system, the X motor and Y motor must work at the same time when the print head move in X or Y axis, and for Z9, the correspondence between the moving direction of the print head and the motor rotation is as follows:

X motor	Y motor	Movement	X motor	Y motor	Movement
+	+	Go HOME in X axis	-	+	Go HOME in Y axis
-	-	Go Far in X axis	+	-	Go Far in Y axis

+ : Clockwise rotation **-** : Anticlockwise rotation

NOTE: Unlike a common machine, the origin of the Z9 is located at the upper right (inner) corner of the machine.

3. Troubleshootings:

Appearance of issue	Reasons
Go far when HOME Y	Check if you exchanged the X & Y motor when wiring
The print head is always moving diagonally	1. Check if one of the X and Y motors doesn't work, especially to check if the motor wires don't connect well and drive module doesn't work.
	2. Check if the X and Y motors rotate at the same speed at HOME X. If they are not the same, check the settings of the subdivision pins of the drive module. Note: We set the Micro-Steps by cutting off the MS pin of the driver module. Pay attention to the settings of the X and Y motor driver modules are the same.