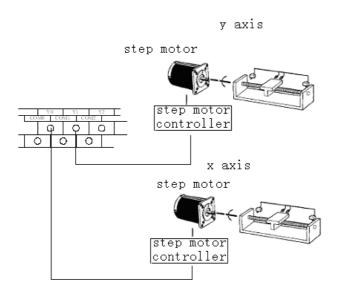
Two channels pulse output

Summary

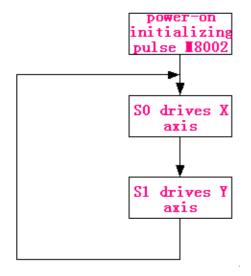
Generally, XC3 and XC5 series PLC's support 2 (two) channels pulse outputs. In order to use pulse outputs, please choose PLC with transistor outputs. Via using different instructions, you can realize not only one-direction pulse outputs without speed-up/speed-down, one-direction pulse outputs with speed-up/speed-down, but also multi-segment, positive/negative direction outputs etc. The output frequency can reach 400KHz.

In this sample, we use single-segment, one direction pulse output, Y0 controls X axis step motor, Y1 controls Y axis step motor. Control the two axis to drive alternatively via flow.

Graph:

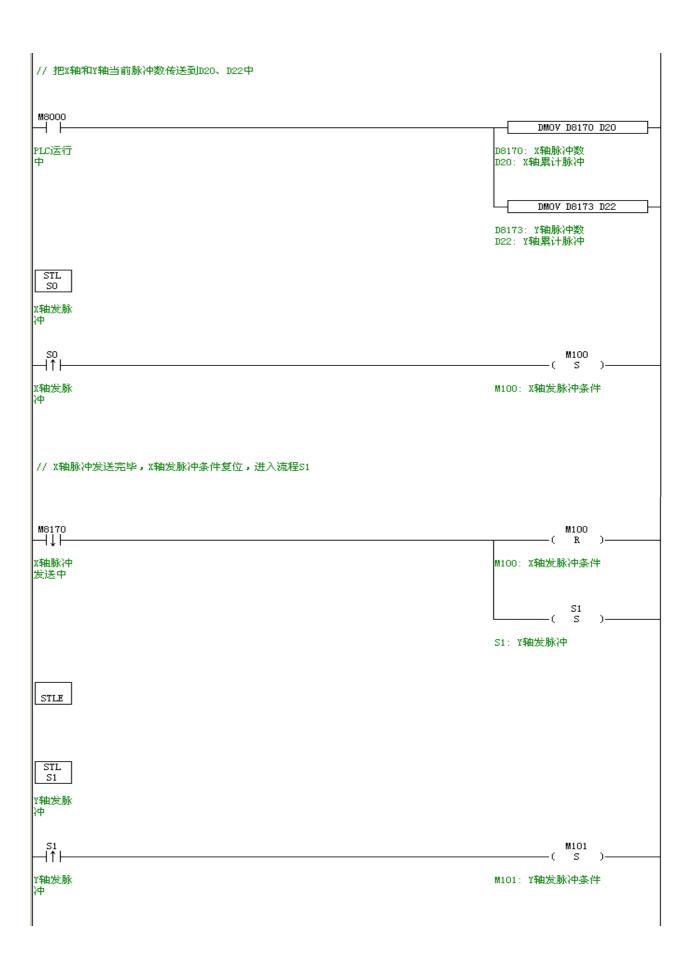


Flow Chart:



Program:

/ YO:X轴脉冲		
/ 上电初始脉冲对X轴、Y轴脉冲数清零,对脉冲频率、个数以及加减速时间赋值,进入流程SO		
002 	(s)(s)	
t初 於冲	SO: X轴发脉冲	
	—— DMOV KO D8170	
	DMOV KO D8173	
	D8173: Y轴脉}中数	
	——	
	DMOV K100 D14 D14: 发脉冲加减速时间	
00 	DPLSR D10 D12 D14 Y0	
<u></u> 受 (件	D10: 脉冲频率 D12: 脉冲个数 D14: 发脉冲加减速时间 YO: X轴脉冲输出	
01 	DPLSR D10 D12 D14 Y1 D10: 脉冲频率 D12: 脉冲个数 D14: 发脉冲加减速时间 Y1: Y轴脉冲输出	



M8173 	M101 (R)
Y轴脉冲 发送中	M101: Y轴发脉冲条件
	(S)———
	SO: X轴发脉冲
STLE	