



Control System for Multiple Stepper Motors Setup and System Checkout

System For _____

Checked by _____

Date _____

Step	Activity	✓
1	System Load	
1.1	Load Teensy program <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> Teensy Model _____ </div> <div style="width: 30%;"> Software Version Loaded _____ </div> </div>	
1.2	Load Nextion configuration <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> Nextion Model _____ </div> <div style="width: 30%;"> Software Version Loaded _____ </div> </div>	
1.3	Load Teensy INI file <div style="display: flex; justify-content: space-around;"> <div style="width: 45%;"> <input type="checkbox"/> Setup <input type="checkbox"/> Limits <input type="checkbox"/> Returns <input type="checkbox"/> Main <input type="checkbox"/> One <input type="checkbox"/> Index </div> <div style="width: 45%;"> <input type="checkbox"/> Move <input type="checkbox"/> Program <input type="checkbox"/> Sync <input type="checkbox"/> Recip <input type="checkbox"/> GreekKey <input type="checkbox"/> Rose </div> </div>	
2	Main Function	
2.1	Spindle move	
2.2	Z axis move	
2.3	X axis move	
2.4	B axis move	
3	One Function	
3.1	Spindle move	
3.2	Z axis move	
3.3	X axis move	
3.4	B axis move	
4	Index Function	
4.1	Index by Divisions – 4	
4.2	Index by Divisions – 8	
5	Move Function	
5.1	Z axis move	
5.2	X axis move	

Step	Activity		✓
5.3	B axis move		
6	Sync Function		
6.1	Z axis Helix type Left CCW		
6.2	Z axis Helix type Right CCW		
6.3	Z axis Helix type Left CW		
6.4	X axis Helix type Left CCW		
6.5	X axis Helix type Right CCW		
6.6	B axis Helix type Left CCW		
6.7	B axis Helix type Right CCW		
7	Recip Function		
7.1	Z axis Radial Pattern 1 CCW		
7.2	Z axis Radial Pattern 2 CCW		
7.3	Z axis Radial Pattern 3 CCW		
7.4	Z axis Radial Pattern 1 CW		
7.5	Z axis Axial Pattern 1 CCW		
7.6	Z axis Axial Pattern 2 CCW		
7.7	Z axis Axial Pattern 3 CCW		
7.8	X axis Radial Pattern 1 CCW		
8	Greek Key Function		
8.1	Radial axis runs – 2a pattern		
8.2	Radial axis runs – 2b pattern		
8.3	Axial axis runs – 2a pattern		
9	Limit & Estop Switches		
9.1	Limit Switch	Pin #	
9.2	Limit Switch	Pin #	
9.3	Limit Switch	Pin #	
9.4	Limit Switch	Pin #	
9.5	E-Stop Switch	Pin #	

Comments: