

Figure 1:

Step 1: Unpack Product (Refer Fig.1)

- Open the box and carefully remove all the packing material from around the oscillating plate and over the touchscreen.

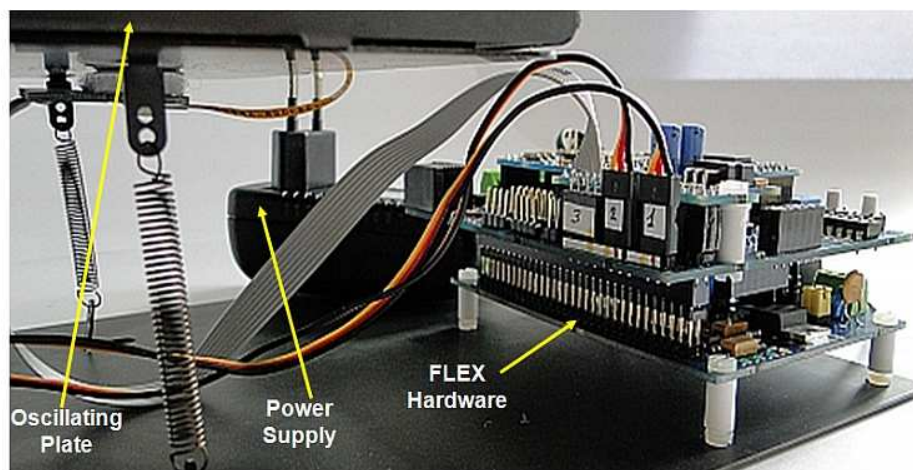


Figure 2: Assembled System

Step 2: Prepare Assembly (Refer Fig.2)

- Place the oscillating plate assembly on a even sturdy surface for e.g. a table.
- Takeout the FLEX hardware with power supply (already connected) intact from the small carton box (marked as FLEX) and place the same on the base of the oscillating plate assembly.

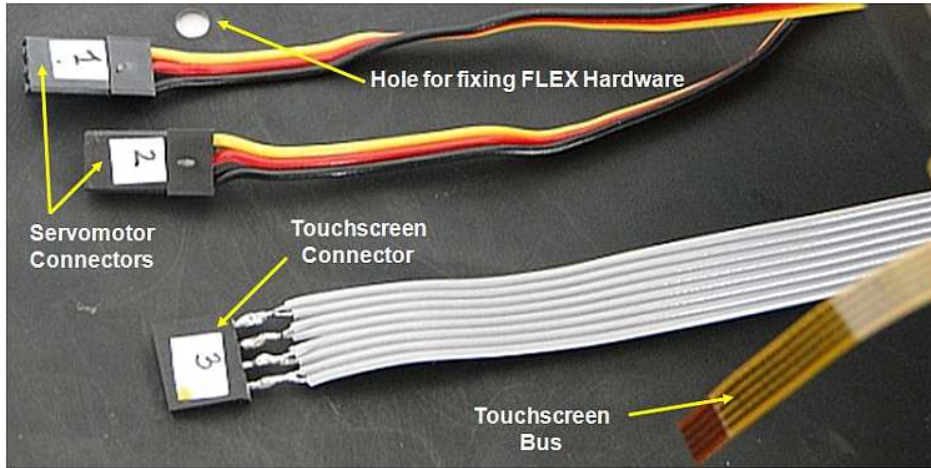


Figure 3: Electronic Connectors

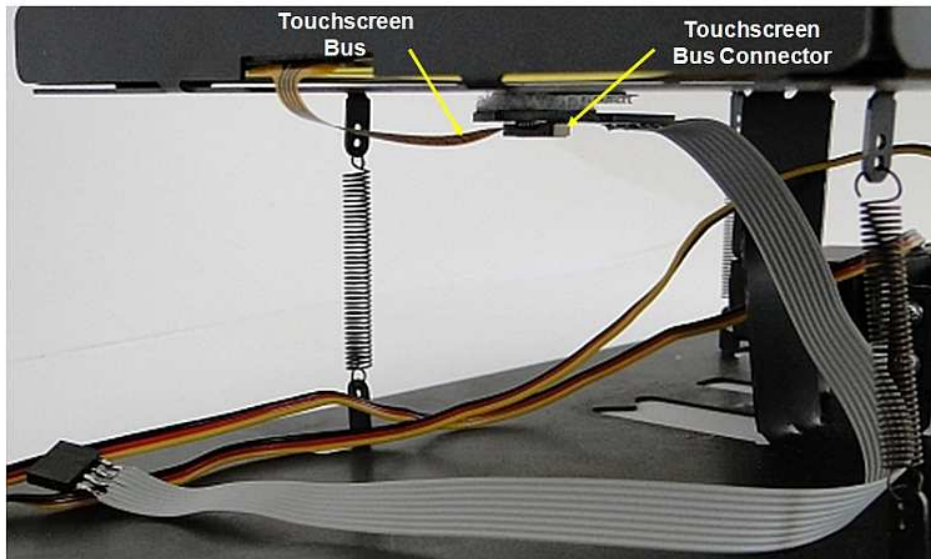


Figure 4: Touchscreen Bus Connector

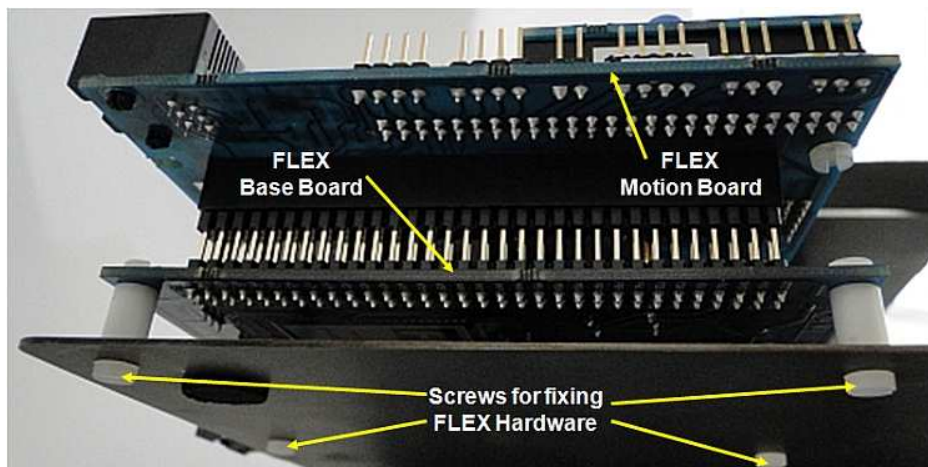


Figure 5: FLEX Hardware Fixation

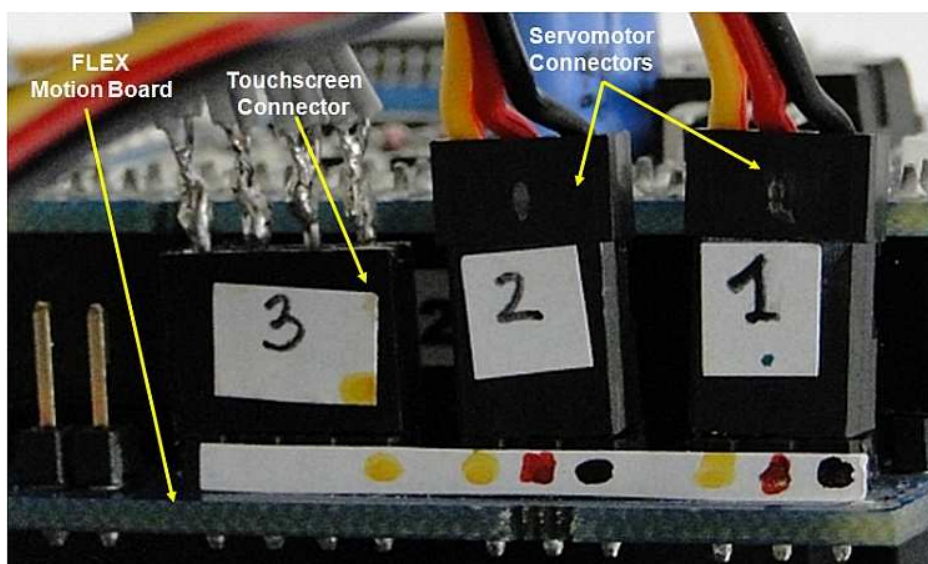


Figure 6: Touchscreen and Servomotor Connectors

Step 3: Connect Electronics (Refer Fig.2, Fig.3, Fig.4, Fig.5 and Fig.6)

- Connect touchscreen bus to the connector located below the oscillating plate.
- Secure the FLEX hardware with 4 plastic screws to the base of the oscillating plate assembly.
- Connect servo motor connectors (colour coded and marked as '1' and '2') to the FLEX hardware.
- Connect touchscreen connector (colour coded and marked as '3') to the FLEX hardware.



Figure 7: Running System

Step 4: Run Demo (Refer Fig.2 and Fig.7)

- Plug-in the power supply to the mains to power-up the system and check for 3 green LEDs (FLEX base board) and 1 yellow LED (FLEX motion board).
- Place the steel ball gently on top of the touch screen for the demo program to run.
- Displace the steel ball gently by rolling it anywhere over the touchscreen and watch the demo program oscillating the plate to maintain the steel ball at the centre position on the touchscreen/plate.