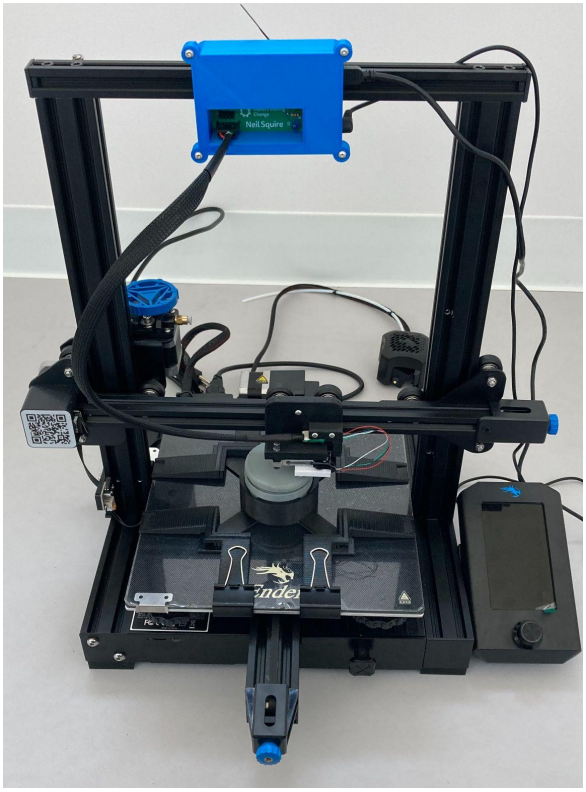
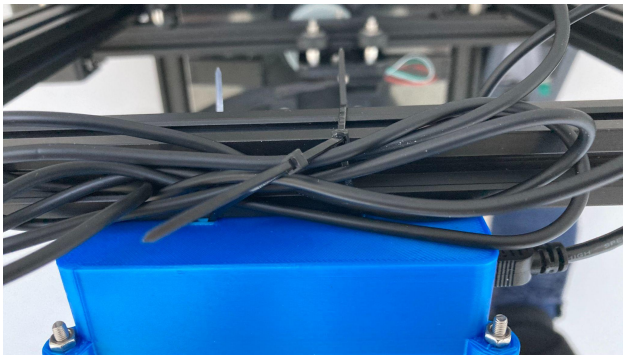
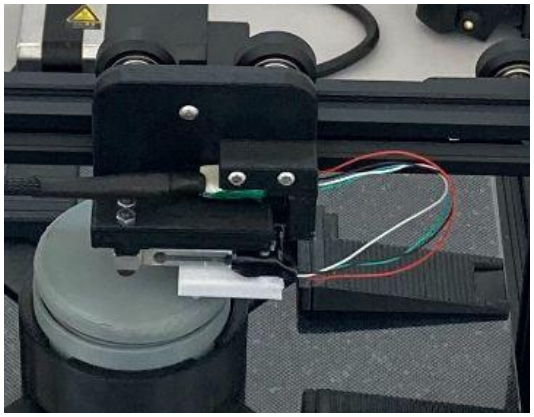
Electronics User Guide



Materials

1 - Assembled PCB
1 - Assembled Load Cell Cable
1 - Assembled Inter-Connection Cable
1 - 3.5mm jack cable
1 - USB to micro usb cable
1 - Load Cell Mount 3D print
1 - PCB Box Top and Bottom halves
4 - M3 x 14mm Buttonhead screws
4 - M3 Nuts
2 - Zip ties around 10 cm each

Instructions

1.	Make sure to flash the ESP32 (by usb) with the latest code provided under the software portion	
2.	Mount the PCB onto the 2x2cm beam with zip ties through the holes in the back. The PCB should fit snugly between the top and bottom pieces of the 3D printed box, where the top piece fits inside the base and pinches the PCB by 2mm to keep it from slipping out. Plug in the Inter-Connection cable, the USB and the 3.5mm cable to the PCB through the holes provided in the case. You can keep the excess wires of the 3.5mm mono cable at the top if necessary.	 
4.	For the Load cell portion, refer to the Load cell Mount assembly guide for this step. Once the load cell mount is mounted to the 3D printer and the load cell is attached, plug in the Inter-Connection cable to the load cell cable. As the Load cell mount guide mentions, you can tuck the dupont connector into the pinch point to keep it from moving.	

5.	The other end of the 3.5mm mono cable will be plugged into the button, it is best to plug it in and guide the cable out the back of the printer, attached and guided somewhere to avoid any wire tangles.	
6.	Doing the same with the USB cable guiding it to the side it can be plugged into the PC. It is now ready to run the software.	