

Figure 1: Left: an SEM image taken of a 200-mesh copper grid with a feature present. Resolution is 2048 pixels x 2048 pixels. Right: a comparison SEM image taken from a pre-existing system. Resolution is 1024 pixels x 1024 pixels.

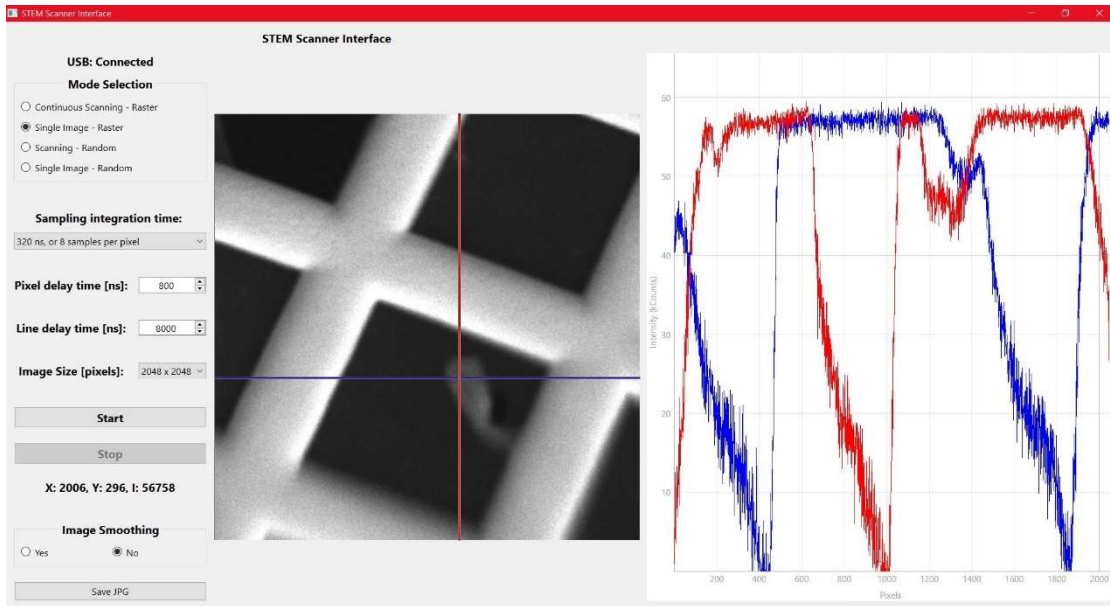


Figure 2: A screenshot of the user interface (UI) while acquiring the left image from Figure 1.

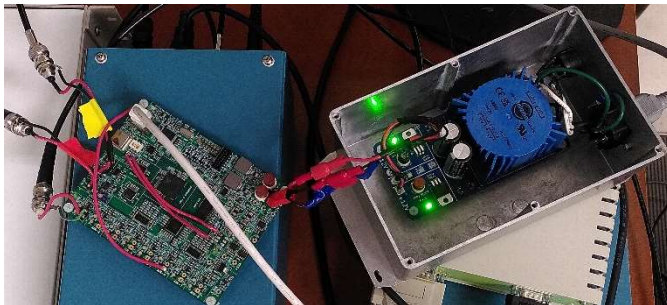


Figure 3: A top-down image of the custom-built PCB and power supply for the new STEM scanner.