

Surface Profiler

1. Press the white **ON button** on the EMO Box. After you do this, the following events occur:
 - The white ON button on the EMO box illuminates
 - All system devices are powered up with the exception of the computer and monitor.
 - The light bar at the back of the profiler illuminates.
 - The red LED lights on the scan stage limit switches illuminate
2. Select **Start > Vision64** or click the Vision64 application button on the desktop or task bar. As the software launches, the following events occur:
 - The tower assembly moves to its upper limit. The system stops with the stylus in the Tower Up position.
 - The scan stage initializes. You can now safely position the sample beneath the stylus.
 - The Vision64 Welcome screen appears, followed by the Vision64 Instrument tab, which includes the DektakXT Live Video Display
3. Allow the system to warm up for approximately 15 minutes before taking a scan measurement.
4. To place the sample, Click **Unload button** at **measurement setup window**. After place the sample on the stage, and click **Load button**.
5. Click **Tower down button** and wait for the tip touch the sample and separate from sample.
6. Adjust x and y position with micrometers.
7. Set the parameter in measurement option
8. Click **Single Acquisition button**.
9. After finished measurement, choose the position to level the data with R and M vertical lines in plot
10. After leveling move M line to the position you want measure difference and click Data Leveling button. It will give the height difference

To power down the DektakXT system:

1. Click **Unload button** and take out your sample.
2. Click **Load button**
3. Close the Vison64 software
4. Press **the black OFF button** on the EMO Box.