

# DEKTAK XT - MECHANICAL PROFILOMETER

## 3D measurement

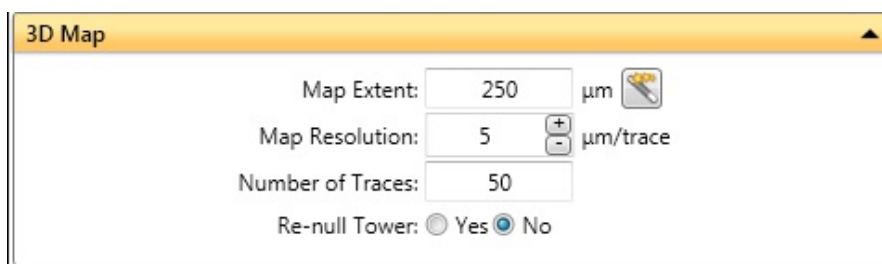
### How to do a measurement

The 3D view is an assembling of n single scans. In consequence, the first 8 steps are identical to those described in the procedure **Quick (2D) measurement**. Please refer to this document before going to the next step. In red in the following text, the different or extra steps from the **Quick (2D) measurement**.

Once a first scan is done to control the localization of the scan, you go back the menu **measurement Setup / measurement options** and select the option **Map Scan** in the sub menu **Scan Type**.



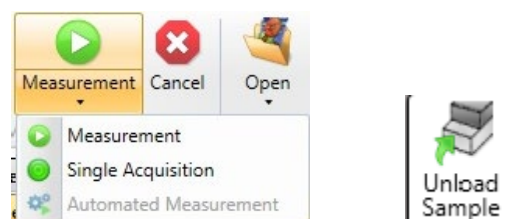
Once **Map Scan** option is activated, the menu **measurement Setup / 3D map** is available. You have to define the width of your 3D image (**Map extent**), the distance between two scans (**Map Resolution**) and the number of scans for the given width (**Number of Traces**).



The minimum distance between two scans (**Map Resolution**) is 1.0 μm. Larger the number of scans for the same width (**Map extent**), longer the scan duration.

Then select **Measurement/Measurement** to start the multi-scans measurement.

Once the measurement is done, click on **Unload Sample** button



# Example of a 3D measurement

