


D Quiet Mode and Stepping

Some FormFactor semi-automatic probe stations can turn off electromechanical parts of the probe station to lower the amount of noise affecting electrical on-wafer device measurements. Some examples of these parts include the probe station wafer XYZ stage, motorized microscope transport stage, motorized positioners, and cameras (Platen alignment and side view).

For best performance of DC low noise or flicker noise measurements on specific probe stations, enable Quiet Mode before making a measurement.

CM300 probe stations require Quiet Mode activation.

Set Up Quiet Mode

When motor power on all stages is turned off, the probe station is in Quiet Mode. The [Velox Toolbar](#) displays the  Quiet Mode button status as on only if all stages (Chuck, Scope, Positioners) are off.

If you move a stage (Chuck, Scope, or camera) in Quiet Mode, the movement causes the motor power to turn on.

To activate Quiet Mode, you can:

- Select the **Quiet Mode** button on the Velox Toolbar to toggle the motor power off for quiet probing.
- Execute a remote command or script (recommended).

For more information about the Quiet Mode button, see [Toolbar Tools, States, and Status](#).

Operate in Quiet Mode

To enable Camera Quiet on Platen and side view cameras on CM300 probe stations, use the **SetCameraQuiet** command.

For details about remote commands and workflows related to Quiet Mode, see Quiet Mode in the Velox Remote Interface Help.