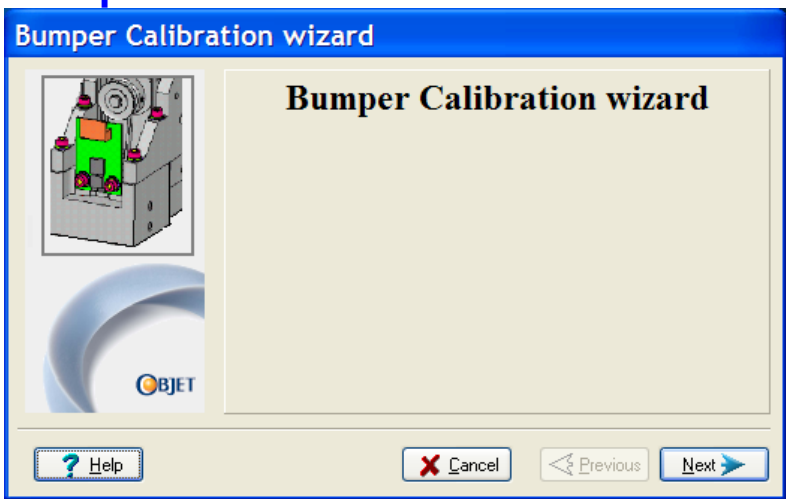
Bump-Sensor Calibration



The bump sensor measures impact on the print block during printing. If the print block collides with the model, printing is stopped, to prevent damage to the heads and the model.

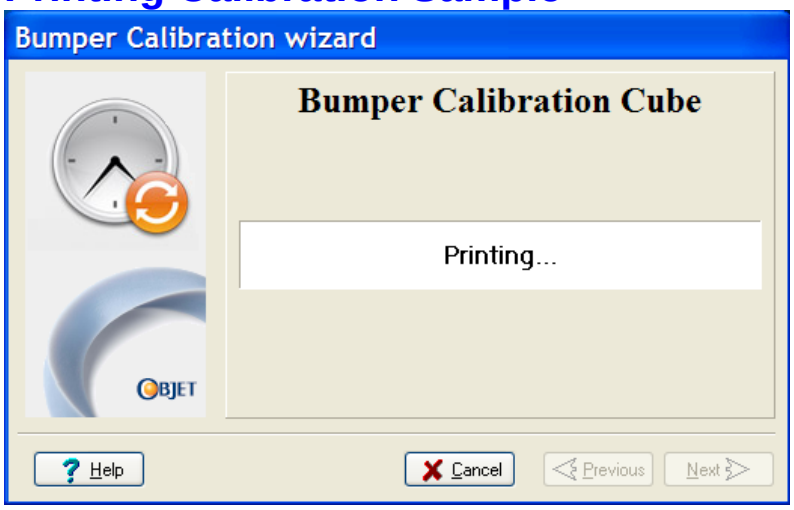
If the sensitivity threshold of the bump-sensor mechanism is too high, printing may stop as a result of the normal operation of the roller on the model ("false alarm"). If the threshold is too low, printing will *not* stop - even if the print block collides with the model.

This wizard automatically calibrates the sensitivity threshold of the bump-sensor mechanism, after printing a sample model and measuring the impact of the print block as it collides with the model.

Important: Tango-series model materials are not suitable for printing the sample in this wizard.

Before continuing, make sure that at least one cartridge contains rigid model material. If not, cancel the wizard and run the Material Replacement wizard.

Printing Calibration Sample



After printing a sample model, the wizard raises the build tray so that the roller bumps into the model several times. The sensor detects the impact, and the wizard sets the threshold for stopping printing.

Wizard Results

The impact-sensitivity threshold of the print block has been set, and is displayed in the wizard screen.

Note: This parameter ("BumperSensitivity") is stored in *Parameters Settings*, *Roller* section.
To access *Parameters Settings*, click **Parameter manager** from the *Maintenance* menu.

When manually adjusting this parameter, remember:

- To *lower* the sensor's impact-sensitivity, you must *raise* the parameter's value.
- To *raise* the sensor's impact-sensitivity, you must *lower* the parameter's value.