



Optical CMM localizer

- Connect and setup all hardware components of the Optical CMM system (also called K-Series).
 - Install the driver for the USB hardware key (Sentinel Protection Installer 7.4.*.exe).
 - Plug in the USB hardware key in a free USB port of the measurement PC.
 - Install K-Interface 3.1 (K-Interface 3.1.* Setup.exe).
 - Provide the path where the camera calibration file (K6C-*.vsg) is located.
 - Rename the Ethernet network interface for the K-Series system to "K-Network".
 - Set the IP address of this interface to 192.168.1.xx, subnet mask 255.255.255.0.
- Note:**
The IP address range 192.168.1.70 to 192.168.1.79 is used by scanners, so do not use this for the "K-Network".
- Install K-CMM 6.5 SP2 (K-CMM 6.5.* SP2 Setup.exe).
 - Choose "Automatic K-Reference".
 - Provide the K-Reference bar model file (AKB-*.probe).
 - Choose "Configure for K-Scan".
 - Provide the K-Scan Probe model file (KSP-*.probe).
 - K-Link will start automatically the next time the system boots up.
- Note:**
To start K-Link manually, look under 'All Programs\Metris\K-Interface' in the Windows Start menu.
- **Important remark**
Verify via K-Check that:
 - The K-Series camera has firmware version 2.7.86 or higher;
 - The K-Series controller has firmware version 2.7.107 or higher.

Scanning API

Install the Handheld API runtime (HandheldApiRuntime_v3.3.msi).

Note:

This may already be part of the installation package of the host application.

Calibrations on first use

- Switch on the Optical CMM controller.
 - If the camera has been transported, allow it to adjust to the temperature of the room for a few hours.
 - Perform a temperature calibration of the Optical CMM camera.
 - ⇒ Refer to the chapter 'K-Reference' of the K-CMM manual for an explanation of the procedure.
- Note:**
The manual is installed in the folder 'C:\K-CMM\bin\' and is also accessible from the K-CMM user interface.
- When the SpaceProbe tactile probe is first used, the system will ask to calibrate the SpaceProbe.
 - ⇒ Refer to the chapter 'ProbeCalibration' of the K-CMM manual for an explanation of the procedure.
 - Before scanning with the K-Scan Probe, a qualification must be established. To start the qualification procedure, open the settings dialog provided by the Metris Handheld API (through the host application) and click the button [Start Qualification] on the [Qualification] tab page. Follow the instructions on the screen.