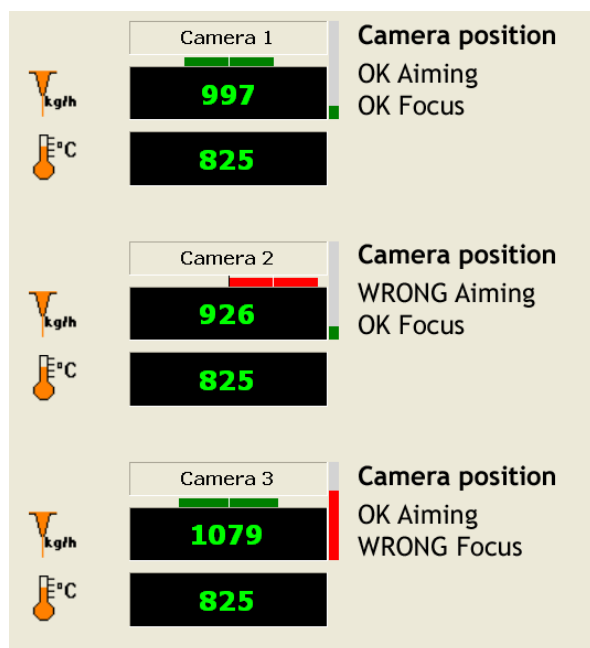




CMM – Camera Maintenance Manager

When using a GFM system in the manufacturing process of glass wool it is vital to be able to verify the position of the GFM cameras in order to measure and control the process exactly. By introducing the CMM – Camera Maintenance Manager it is easy to verify that the cameras are correctly positioned.

The GFM concept is a reliable system for the measurement and control of the glass flow. Yet problems can arise, wrongly positioned cameras give less accurate readings and control of the glass flow. The reason is often that the camera has come out of position due to work in the bushing area.



CMM – Camera Maintenance Manager comprises hardware integrated in the GFM CPU and updated HMI software. The system gives information related to the position of the cameras, both laterally (aiming) and depthwise (focus). It will also detect where the front lens of the camera is dirty.

The information is presented graphically through green/red bars on the system's touch screen HMI, see picture.

CMM – Camera Maintenance Manager also gives information about the temperature within the CPU rack and the status of the voltage of the power supplies.

This will ensure optimal performance and extend the life time of the equipment.

With the information about the position of the cameras on the touch screen it is much simpler to verify the exact position of the cameras. This ensure that the measurement of the glass flow is correct.

CMM – Camera Maintenance Manager is a standard part of the GFM system upgrade kit. For users who have already upgraded their GFM system, the CMM is also available as a retrofit kit. The CMM requires the camera motherboard to be all surface mounted.