



vision systems

Following commissioning of the multi-position filling machine (for details see Machine Design & Build) it became apparent that due to inaccuracies in the manufacture of the filters some of them were not fitting into the pot correctly.

Due to the medical nature of the device, if they were to be released with a poorly fitted filter it could cause a potentially life threatening situation.

To eliminate any possibility of this situation occurring a dual camera Keyence CV-700 vision system was installed.

This system was used to check every pot, in process, to detect the correct fitting of the filter at the bottom and top of the pot.

If any filters were detected as poorly fitted they would not have any other operations carried out on them, allowing the pot to be emptied and the product to be re-used.

The images on the right side of this page show the camera used to detect the correct fitting of the top filter around the profile of the pot

