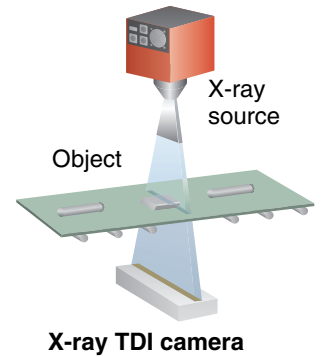


Application Note : 2

X-ray
TDI camera

Lithium-ion battery

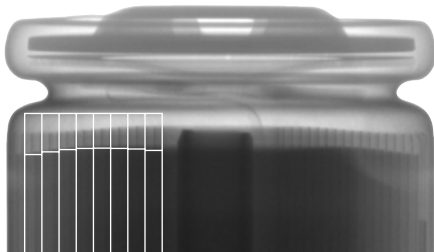


Lithium-ion battery inspection

In case of 2D sensor, the dimensional measurement cannot be implemented correctly because the image is distorted on the corner areas of the X-ray irradiation. The long length sample needs to be located on center of X-ray source, so the sample has to be relocated each time. X-ray TDI camera can capture the image with no distortion by line scan method, so it is not necessary to relocate the samples and it enables the continuous inspection for long length object without stopping.

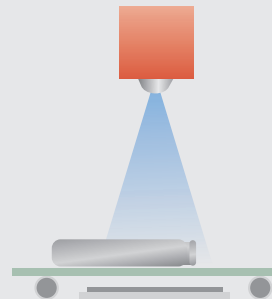


Not necessary to relocate the samples and possible to inspect the long length object with no distortion.



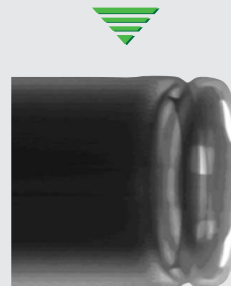
Possible to inspect the mismatch of rolling and measure the length of electrode with no distortion.

Inspection by 2D sensor

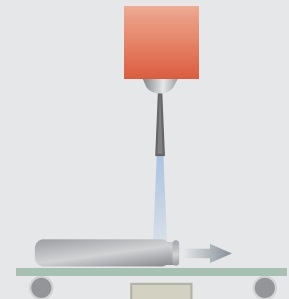


X-ray image intensifier (I.I.) camera :

The image is distorted on the corner areas in thickness direction, and the dimensional measurement cannot be implemented correctly.

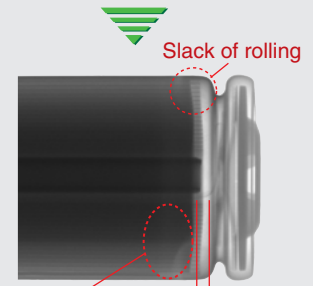


Inspection by X-ray TDI camera



X-ray TDI camera:

The non-distortion image can be realized since X-ray is radiated vertically to the object and the dimensional measurement can be implemented correctly.



Short of the solution
Condition of the connection on electrode

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