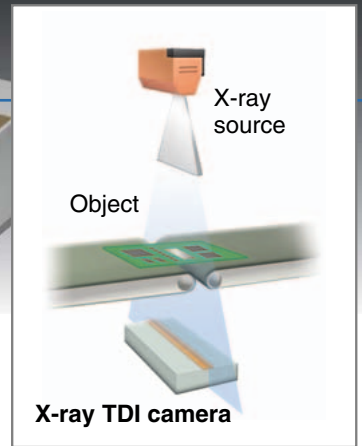


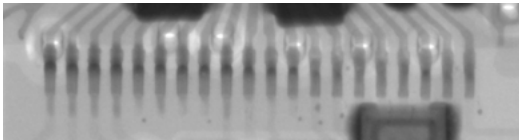
Application Note : 1

X-ray
TDI camera

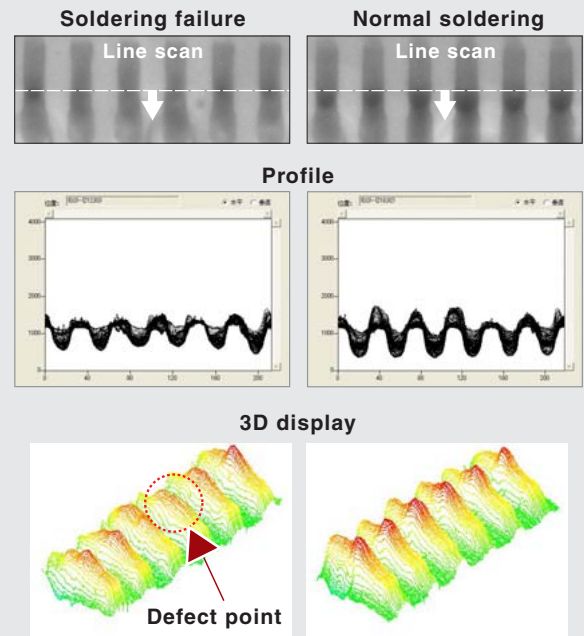
Printed circuit board (PCB)



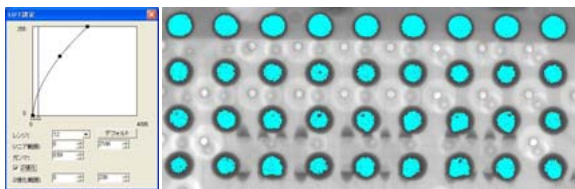
Inspection of a solder's back fillet



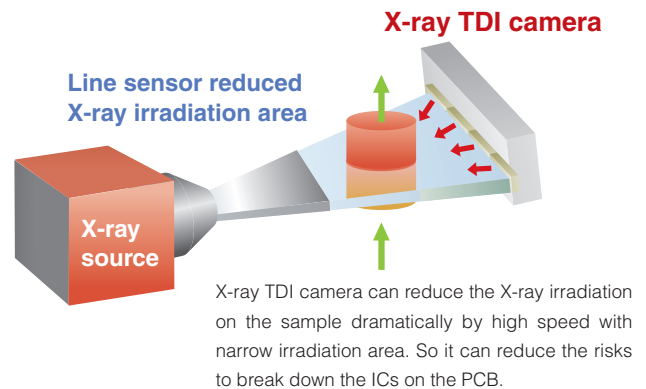
If the back fillet of the solder on a PCB has a defect, a connection error will occur even with small vibrations. For observation of the back fillet part, X-ray transmission technique has been applied but only with an off-line system. Our X-ray TDI camera realizes in-line inspection because it can acquire high speed profile data with high sensitivity. 3D brightness level can be displayed using software.



Void inspection of BGAs



X-ray TDI camera can inspect the samples easily by high speed scan with narrow irradiate area. S/N ratio is one of advantage and low X-ray radiation is enough to inspect the void existence. Furthermore it contribute to make a smaller size of system by reducing a lot of X-ray irradiation.



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