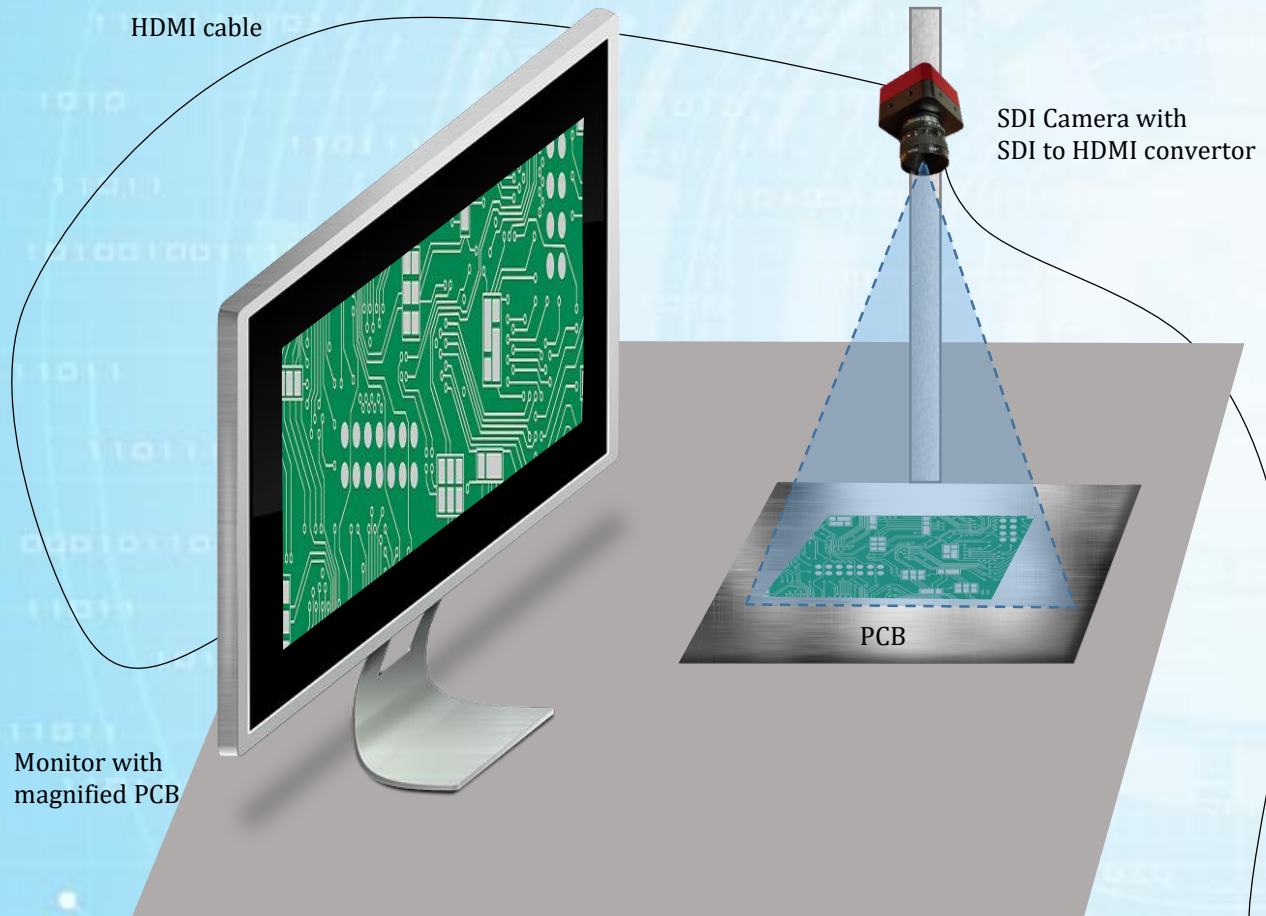


Printed Circuit Board (PCB) Inspection



The inspection of printed circuit boards (PCBs) requires magnification of the board's small components. Traditional methods use magnifying glasses or microscopes. However, these methods can cause strain to the eyes and eye fatigue.



Solution:

An SDI camera is mounted to a rod above of an examining tray. The camera is equipped with a SDI to HDMI convertor. An HDMI cable is linked from the camera's convertor to a large monitor. This allows the high quality images captured by the camera to be relayed to the monitor.

The camera's zoom function is controlled by a foot switch so the operator can easily zoom in and out on the PCB without use of his or her hands.

The result is a method which reduces eye strain and medical cost to the employer.

Camera's zoom function controlled by foot switch

