

Luminescence Sensors



Luminescence sensors offer unparalleled power; luminescence sensors are able to handle more advanced applications than standard photoelectric proximity sensors. In the case of a registration mark on a irregular background, such as grained wood, that can't be read reliably a luminescence sensor may help. The LUT series reacts only to luminescent materials activated by the UV light source in the sensor (Fig. 1). Luminescent pigments can be added to the target or can be applied in the form of colored marks with fluorescent chalk or paint (Fig. 2).

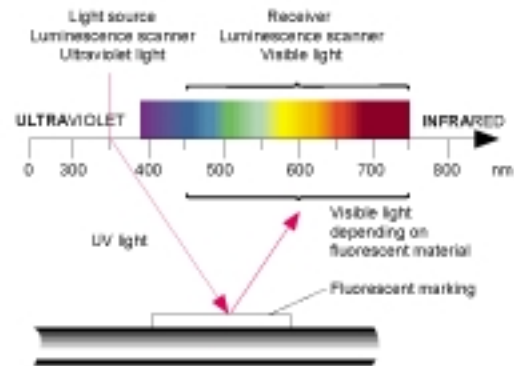


Fig. 1 Luminescence sensor operation

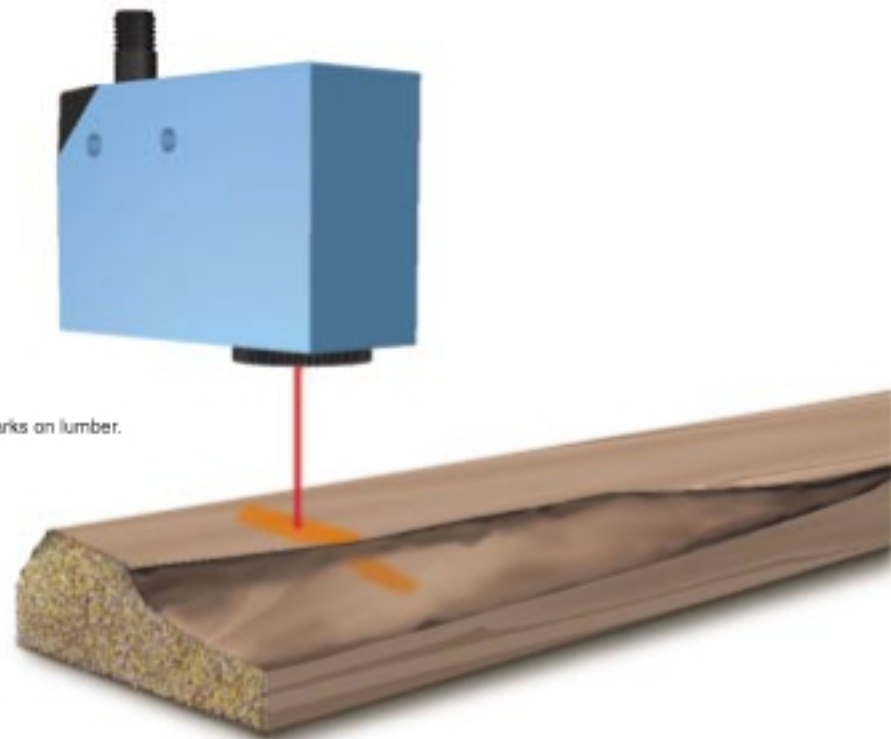


Fig. 2 LUT looking for fluorescent marks on lumber.