

APPLICATION NOTE NO. 17

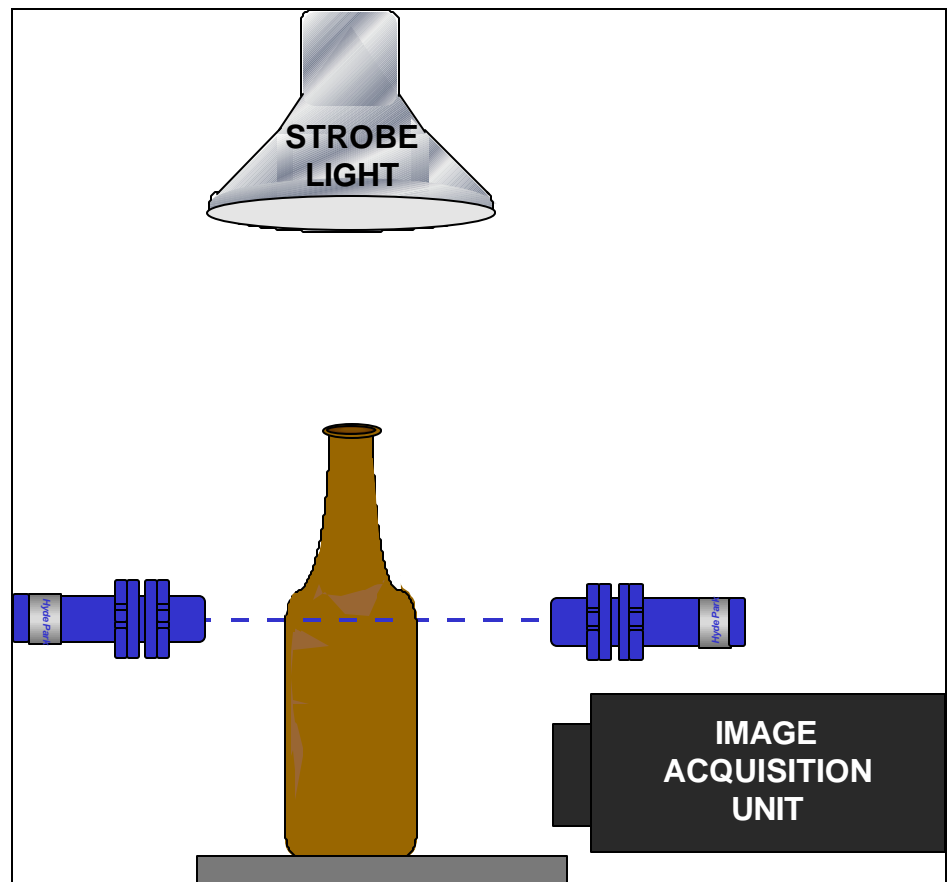
NEED TO PUNCH THE LIGHTS OUT OF A DIFFICULT APPLICATION? THE MICROSONIC® SM800 PROVIDES AN ULTRASONIC SOLUTION

APPLICATION:

This application requires precise lead edge detection of bottles for timing on a conveyor line being sent through a vision system. To illuminate every angle of the bottle, high-powered strobe lights are used. The high-powered strobe lights can cause photo eyes to become very erratic.

ULTRASONIC SOLUTION:

The MICROSONIC® SM800 Thru-beam ultrasonic sensors are unaffected by light intensity, as well as, object material, size or color. The sensors are placed at the exact spot on the conveyor line where the strobe light must be activated. The sensor output is sent to a PLC controlling the strobe lights and image acquisition unit of the on-line inspection system. The PLC defines the specified amount of time the strobe lights are activated, and allows the image acquisition unit to capture the images.



See page 4-21 in your Hyde Park Catalog, Volume 101, for further information and sensor specifications.

Another sound solution from...The World Leader in Ultrasonic Sensing.