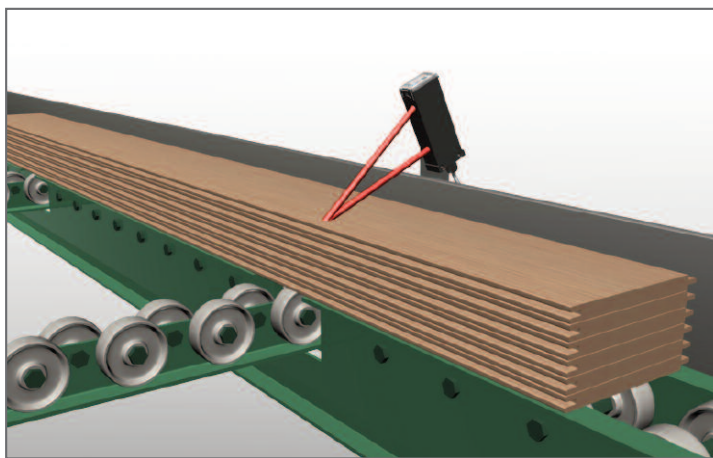


CG APPLICATIONS

CARLO GAVAZZI



Application Note: January 26th, 2009

Market involved : Wood Industry

Product : PD112CNB25BP...

Customer : ---

Subject : Wood detection - independently of the colour

CUSTOMER ISSUE :

Manufacture of floor-boards in different types of wood.

How it will be possible to detect the boards without readjusting the sensor or the use of reflectors?

OUR SOLUTION:

Using our Photoelectric Background Suppression sensor, specifically designed to long detecting distances, it will be possible to detect any wood colour at a distance of 2 m, ignoring a disturbing background.

Since the background suppression works on triangulation, a slight dirt accumulation can be accepted , still providing an accurate detection.

ACHIEVED BENEFITS:

- The customer doesn't need any adjustment of the sensor when wood type changes.

