



### 1. Detection of the bonding surface



Figure 1

The raw material of the printed circuit board is normally placed on a coil as an “endless” belt and anywhere on the belt there is a bonding surface which has to be detected.

The **SPECTRO-3-30-DIL** delivers proper results in detection of the bonding surface. Due to the fact, that the color of the raw material is changing from coil to coil it is necessary to use the **EXTERNAL TEACH MODE DYN1**. After the selection of an adequate tolerance for color and intensity, the system is running in a perfect way. Figure 1 and Figure 2 shows the principal arrangement of the color sensor. The screenshots shows the differences in color and intensity between the raw material and the two different bonding surfaces.

Field of application: PCB - manufacturing

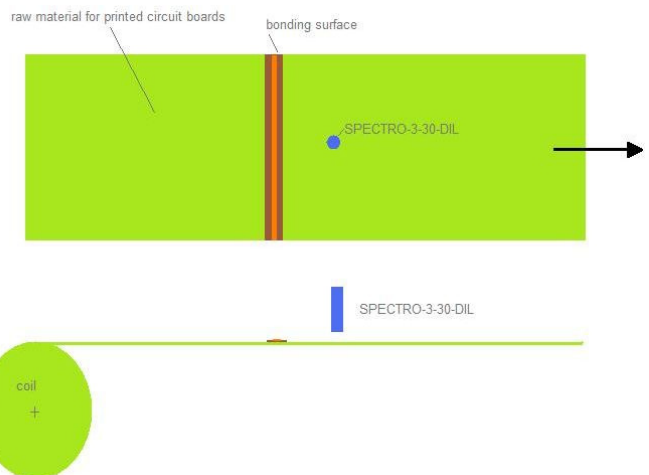


Figure 2

