



# Color Sensors

The CS 1 and CS 3 color sensors are small, compact and powerful for color detection of either opaque or transparent targets. Consequently, these can be used for the automation of all industrial processes where color is a factor.

These sensors use three colored LEDs simultaneously as their light source and evaluate both the wavelength and amount of reflected light. The measured values are compared with stored reference color values that the operator enters using a simple teach-in process. If the values are within the defined tolerance, the sensor produces an output.

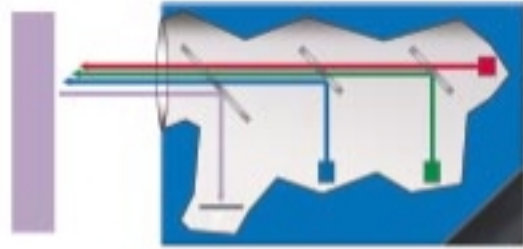


Fig. 1 Using red, green, and blue LEDs the CS color sensor can detect even very subtle changes in color.

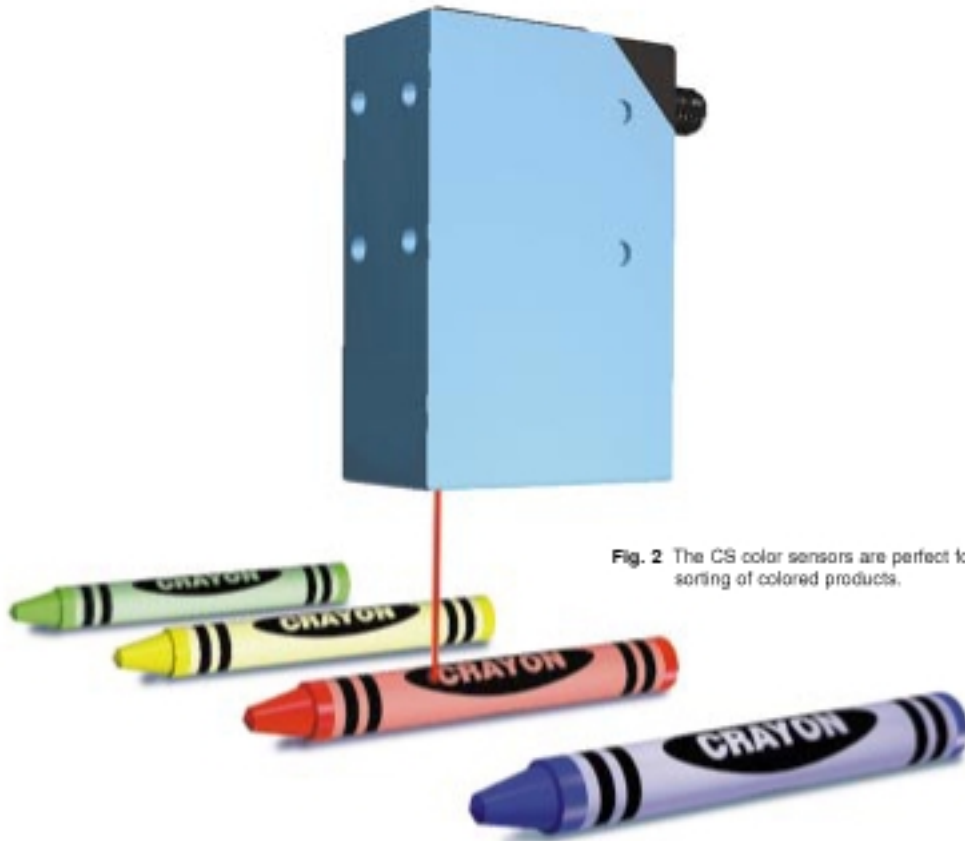


Fig. 2 The CS color sensors are perfect for on-line sorting of colored products.