

MULTI-PRIMARY COLORS PRINTING QUALITY CONTROL METHOD

ABSTRACT

A multi-primary colors printing quality control method is provided. The method includes: setting the area of color values on printed material, the second primary colors are produced by the combination of the primary colors to each other, and overprinting the primary colors with the second primary colors according to a pre-determined percentage to form the neutral gray color level due to the combination of the primary colors and the second primary colors. In order to amend color values to control the change of color, the black "K" halftone used as a reference monochromatic gray level is compared with the neutral gray color level in the set area of color values. Using WING "K" Tone (WKTone) neutral gray balance theory and visual technology, operators can be provided with accurate control of comparison of color ink consumption and accurate control of the change of color value which can be read by color reading device for real-time color correction. This technology can be used in surpassing the proofing of three primary colors and mass-production printing.