

Abstract

Research Title : The condition affects half-tone image 4-color by offset print.

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This research aims to create a test print (Test Form) is used to offset printers. And to find optimal conditions for the half-tone printing, four color offset printer. To identify factors in the dot of half-tone prints on paper with offset printing. Determined by various factors. Was used in this study. The speed of the printer and the printing press in the trial as follows: pressure, type 2, level and speed of the printer 3 level by designing a test print to the dot, the resolution of various different purposes. Find the best state of the print image quality was found that the percentage of the dot is on the increase on the printing press, the printing speed. The resolution type increase. And the printing. The press fit, the speed of the machine at 5,000 sheets / hour, and the resolution of images printed at 175 LPI will print the best quality.

Key word: Half-tone images, offset printing