

Using color management systems to adjust the ink Keys at the litho offset sheet feed printing machine

Dr/ Neven AbdAlAziz Saleh

Professor at Printing Publishing and Packaging dept. - Faculty of Applied Arts - Helwan university

Dr/ Mahmoud Farouk ElFeky

Ass. Professor Printing Publishing and Packaging dept. - Faculty of Applied Arts - Helwan university

Eng. Mohamed Hassan ElHalawany

Senior maintenance eng. at Heidelberg Druckmaschinen

introduction :

Using color management systems in order to obtain uniform color production along all stages of printing production which allows: Increasing the quality of the print production. Increasing quality consistency. Time/money savings in prepress through decreased retouching of images and remaking of proofs. Time/money savings in printing through faster color ok in make-ready. The study is to find The impact of using color management systems which can be applied through all print production stages from prepress till the press stage. Adjusting ink zones on the printing machine is considered to be one of the most important factors that affect the quality of the printed color which can be an affecting factor in producing the dot gain phenomenon, and also decrease the print waste percentage. The research have been established through a number of experiments and measurements recorded in each of the extent of change.

Research problem:

Deficiencies in the use of the color management system in order to improve colorimetric properties of the printed product during the print production on the litho offset sheet feed printing machine.

Aim of the research:

Studying the impact of using color management system to adjust the ink zones of the sheet feed litho offset printing machine during the printing process.