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[\[PDF \(931K\)\]](#) [\[References\]](#)**Stabilization of FM Screen Print in CTP Plate Making Process**Kazuhiko OHNISHI¹⁾

1) FUJIFILM GRAPHIC SYSTEMS CO., LTD.

Abstract

This report expresses the current problems and approaches with FM screen print. Today, FM screen print is not that special anymore. It can be operated enough as in real work if working on appropriate states of the equipments and the materials. The introduction of CTP has meant that high definition FM screening is now regarded as a practical and realistic solution for high quality printing. Specifically, FM screening allows commercial printers to eliminate moire provide more detailed color reproduction, print with more than 4 colors, and reduce ink consumption on-press. However, FM screening is not always simple and easy to implement, and many printers experience problems in adopting this technology. This is because FM screening requires the parameters associated with printing, like press conditions, plate quality, ink/water balance and stable plate processing conditions to be very tightly controlled. In order to meet the requirements for the practical implementation of printing with FM screening, Fujifilm has now developed a new generation FM screening solution called " TAFFETA " . This solution overcomes the difficulties associated with current FM screening technologies by incorporating Fujifilm's highly sophisticated digital imaging technology called "Image Intelligence™".

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