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[\[PDF \(1706K\)\]](#) [\[References\]](#)**Evaluation of the Merits and Demerits of FM Screening**Masaki HORI¹⁾ and Hiroaki TAKITA¹⁾

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Abstract

It has been over ten years since FM screening came out in the market as digital screening, being freed from the technical limit caused by the contact-screen method. In the meantime, CTP (Computer to Plate) has been widely prevalent and FM screening algorithms have made progress in terms of print ability and image quality. At the same time, the situations concerning the printing industry have changed with the demand of cost cutting, small lot production, and environmental issues. We proactively consider FM screening as the basic technology for overcoming the difficulty of these situations, and also consider that understanding the merits and demerits of FM screening is essential for using this brand-new screening method effectively. For a special review about FM screening issues, this article provide a wide range of discussions on its various merits and demerits from the standpoint of a user. We hope some users can find useful tips, and that software or hardware vendors would develop new ideas from this article.

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