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ONLINE ISSN : 1882-4935

PRINT ISSN : 0914-3319

Journal of Printing Science and Technology

Vol. 42 (2005) , No. 5 pp.279-284

[\[PDF \(815K\)\]](#) [\[References\]](#)**Adhesion-related Surface Analysis Technology**Toshiya ISHII¹⁾1) MATERIACL ANALYSIS RESEARCH LABORATORY TECHNICAL
RESEARCH INSTITUTE TOPPAN PRINTING CO., LTD**Abstract**

In modern society, we see adhesion technology everywhere we look in the environment, from the printing, packaging, electrical goods, architecture and civil engineering industries, to the automotive and aircraft industries, and even in the space industry in space shuttles. Adhesion technology plays an important role in all industries and any improvements in the adhesion performance of products will have a significant impact. Thus it is important to analyze the factors related to adhesion. This paper describes the theory of adhesion and different methods of surface analysis. Using, as an example, the adhesion between hydrothermal aluminum foil and low-density polyethylene, this paper explains how adhesion factors can be evaluated and analyzed using surface analysis technology.

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Toshiya ISHII, Journal of Printing Science and Technology, **42**, 279 (2005) .

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