

Author: Keyword: 

Search

ADVANCED

Add to  
Favorite / Citation  
Articles AlertsAdd to  
Favorite  
PublicationsRegister  
AlertsMy J-STAGE  
HELP[TOP](#) > [Available Issues](#) > [Table of Contents](#) > [Abstract](#)

ONLINE ISSN : 1882-4935

PRINT ISSN : 0914-3319

**Journal of Printing Science and Technology**

Vol. 41 (2004) , No. 5 pp.286-293

[\[Image PDF \(2617K\)\]](#) [\[References\]](#)**Printing Plate****6. Stencil Sheet**Syoichi IKEJIMA<sup>1)</sup>

1) K &amp; I Development Center, RISO KAGAKU Co., Ltd.

**Abstract**

Thermal stencil duplicating, in which stencil sheet is thermally perforated, has its distinct feature that can make copies more economically, more easily and more quickly than other printing methods-e.g. Offset printing or Electrophotography, etc. When designing the structure or the properties of thermal stencil sheet it is important to take into account that this system is used for applications with such a feature. In the thermal stencil duplicating system, stencil sheet has two functions the function in platemaking and the function in printing. Very important point in the stencil duplicating system is to make what shape of perforation in its platemaking process. Therefore, studies on film, a thermal printing head, etc. have ever been made. Designing stencil sheet for the thermal stencil duplicating system emphasizes taking full advantage of its ease-of-use so far. Accordingly, the development of the continuum film and the substrate focuses on their multifunctioning. For the future, it is needed to distinguish among the mixed functions and to seek after the possibility of each function.

[\[Image PDF \(2617K\)\]](#) [\[References\]](#)Download Meta of Article [\[Help\]](#)[RIS](#)[BibTeX](#)

JOI JST.JSTAGE/nig/41.286

Copyright (c) 2008 The Japanese Society of Printing Science and Technology

---



---

[Japan Science and Technology Information Aggregator, Electronic](#)

