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[\[PDF \(458K\)\]](#) [\[References\]](#)**Printing Inspection Technology -Proof by Inspection Equipment Including Printing Monitor-**Hachirou SHIBATA¹⁾

1) TOYO INK MFG. CO., LTD.

Abstract

Surface inspection of printed paper has been implemented in the printing industry since 18 years ago. There are many kinds of printed materials which require improvement of printing quality recently. Of course the level of required quality varies depending on applications, values etc. The original performance was to inspect defective printing within a limited area but recently more sophisticated performance has been expected due to development of equipment performance and technology of digital image processing. In fact, there is an increasing demand for surface inspection of printed paper in the industry where the performance of inspection equipment with critical sensor has been further expected to inspect printed materials at various levels of printing control and management. Currently, the main function of printing inspection equipment is still to check quality control. However, there is a sign that the equipment is going to be changed from simple non-production equipment to the more sophisticated and value-added equipment which enables manpower saving by automatic operation. Specially in terms of quality control which many companies with ISO certificate pursue, the role of the surface inspection equipment of printed paper is getting bigger and bigger recently. Such a change of equipment from simple quality control to management of web machine is now under way in the name of printing inspection.

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