



Digital Printing of Textiles (Woodhead Publishing Series in Textiles)

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At present the textile industry produces the majority of its 34 billion square yards of printed textile fabric by screen printing. However as we move into the digital age developments in digital printing of paper are being adapted more and more for the textile market. Inkjet textile printing is growing while growth in analog textile printing remains stagnant. As digital print technologies improve offering faster production and larger cost-effective print runs, digital printing will grow to become the technology that provides the majority of the world's printed textiles.

This comprehensive introduction to the subject is broken into five sections. After two introductory chapters, it goes on to look in a number of detailed chapters at printer and print head technologies. The next section examines the printer software required for successful color design and management. The digital printing coloration process is explored next, with chapters on substrate preparation, pigmented ink, aqueous inkjet ink, pre-treatment, and printing on cationized cotton with reactive inks. The book is concluded with three chapters on the design and business aspect of digital printing.

Digital Printing of Textiles contains fundamental technical explanations along with current research, and will prove to be an invaluable guide for product developers, retailers, designers, and academic researchers.

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Editorial Review

Review

...the only book of its kind currently to bring together in one volume so many aspects of the 'digital process' within textile printing., Performance Textiles

About the Author

Hitoshi Ujiie has over twenty years experience in high-end textile design and manufacture, his achievements have combined first hand industry knowledge with academic pioneering in new technology. He is assistant professor of textile design at Philadelphia University

Users Review

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