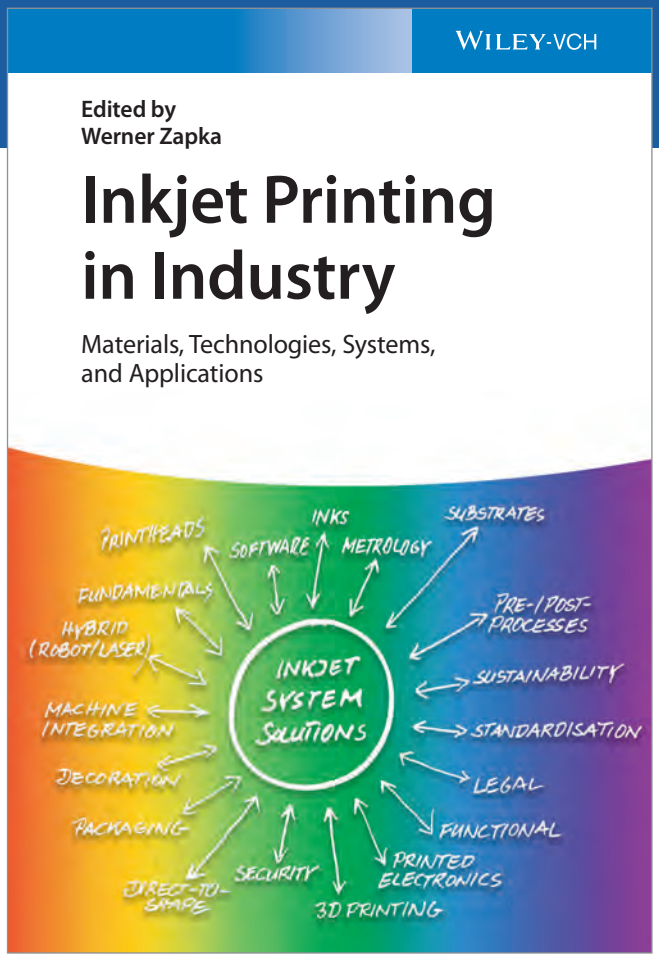
Inkjet Printing in Industry

Materials, Technologies, Systems and Applications

3-Volume Set

Edited by *Werner Zapka*



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Material Science | Thin Films, Surfaces & Interfaces

A landmark reference on industrial-scale inkjet printing

This handbook provides an indispensable overview of all essential aspects of industrial-scale inkjet printing. Inkjet printing, as a scalable deposition technique, has grown in popularity due to its being additive, digital, and contact-free. Given these advantages, the technology can now be used in stable and mature industrial-scale applications, for example, in the electronics and sensors industry. As the mechanisms for inkjet printing have improved, so too have the versatility and applicability of this machinery within industry.

The handbook's coverage includes, but is not limited to, inks, printhead technology, substrates, metrology, software, as well as machine integration and pre-and postprocessing approaches. This information is complemented by an overview of printing strategies and application development and provides a review of novel technological advances, such as printed electronics, robotics, 3D printing, and bioprinting.

Readers will also find:

- The most comprehensive work on the topic with over 75 chapters and 1,500 pages relating to inkjet printing technology
- The inkjet-printing expertise of academic researchers and corporate development engineers in one manual
- A hands-on approach utilizing case studies, success stories, and practical hints that allow the reader direct, first-hand experience with the power of inkjet printing technology

The ideal resource for material scientists, engineering scientists in industry, electronic engineers, and surface and solid-state chemists, *Inkjet Printing in Industry* is an all-in-one tool for modern professionals and researchers alike.

THE EDITOR

Werner Zapka was with the Advanced Application Technology team of XaarJet AB (Jarfalla, Sweden) where inkjet processes are developed with a focus on digital fabrication for two decades, and he serves on the committee of the Digital Fabrication conference series.

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