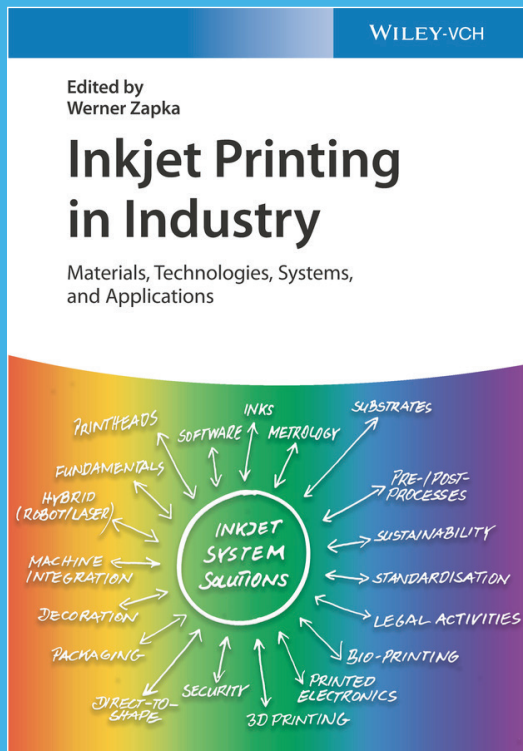


A landmark reference on industrial-scale inkjet printing



Inkjet Printing in Industry:

Materials, Technologies, Systems, and Applications, 3 Volumes

Werner Zapka

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ABOUT THE AUTHOR

Werner Zapka was manager of the *Advanced Application Technology* team of XaarJet AB (Jarfalla, Sweden) where inkjet processes are developed with a focus on digital fabrication, from 1999-2019.

More recently, he became an independent consultant in the inkjet printing industry and continues to serve on the committee of the *Digital Fabrication conference* series.

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. 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 inks, printhead technology, substrates, metrology, software, as well as machine integration and pre- and post-processing approaches. This information is complemented by an overview of printing strategies and application development and covers technological advances in packaging, security printing, printed electronics, robotics, 3D printing, and bioprinting. Important topics like standardisation, regulatory requirements, ecological aspects, and patents.

Readers will find:

- The most comprehensive work on the topic with over 75 chapters and more than 1,500 pages relating to inkjet printing technology
- The inkjet-printing expertise of corporate development engineers and academic researchers 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.



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