

InkJet Print Engine Integration

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Abstract

More and more, the different market segment like packaging, label, object decoration, security documents are requiring a high level of flexibility in order to address the increasing needs of mass personalization, short run production and time to delivery. The inkjet technology is able to answer positively the majority of this demand but it is important to take into consideration the specificities of each market and product. For this reason, the integration of an inkjet print engine into an equipment or a production line needs to be clearly defined and analyzed in order to propose the adapted solution to the customer.

This paper will describe the very important parameters who are necessary to understand and to control in order to make a good and adapted solution. Some examples of integration and their constraints will be described for different markets like packaging, label, object décoration, security printing, ...

Biography

Paul Morgavi is the founder President and C.E.O. of Impika, the ink and material jetting technology specialist for industrial application. Previously, he was working at Gemplus for 15 years and was Director of the Manufacturing Equipment Department, part of the Gemplus R&D division. Since 1988 he has worked on the development of Printing Technologies and associated systems. His background covers the technologies like offset, thermal transfer, dye sublimation, laser and inkjet, applied on plastic materials. In 1996, he has worked in the U.S. in collaboration with an American company in order to develop a color plastic card printer using dye sublimation technology. In 2001, he has developed the first Digital Color Printing Press for plastic card using the inkjet technology. Email: paul.morgavi@impika.com