Printing is a process of producing copies of text and pictures. Modern technology is radically changing the way publications are printed, inventoried, and distributed. There are a wide variety of technologies that are used to print stuff. The main industrial printing processes are: Offset Lithography, Flexography, Digital Printing (Inkjet & Xerography), Gravure, Screen Printing.

3D printing, which is also referred to as additive printing technology, enables manufacturers to develop objects using a digital file and a variety of printing materials. Global market for 3D printing material includes polymers, metals, and ceramics. In addition, 3D printing offers a wide array of applications in various industries, namely consumer products, industrial products, defense & aerospace, automotive, healthcare, education & research, and others.

In India, the market for printing technology is at its nascent stage; however, it offers huge growth opportunities in the coming years. Digital printing is now taking much more share, particularly in graphics (i.e., non-packaging applications). Digital's share of the whole market doubles in constant value terms from 9.5% to 19.7% and 3D printing market is estimated to garner $8.6 billion in coming years.

This handbook is designed for use by everyone engaged in the printing section and students who are pursuing their career in printing technology. It provides all information on modern printing methods, techniques, testing’s for printing, application of different printing and machinery used for printing.


This book will be a milestone for its readers who are new to this sector, will also find useful for professionals, entrepreneurs, those studying and researching in this important area.
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