Abstract

Printing is an art, science & technology of reproduction of „n? number of replicas of an original/literature/catalogue etc. with the help of a suitable printing process on the desired substrate and surface. It is declared as the ”Greatest Invention of Millennium” by Time magazine, USA. And the spectrum of Time magazine is very well known. It is the largest industry of India after auto-parts. We are basically a servicing industry being overlapped by various perspectives of Engineering and Sciences like Computers, Electronics, Manufacturing, Chemical, Electrical, Optical and, of course by Management aspects. By an large, any Printing and Packaging concern is divided into three main sections – Pre-press, In-press and
Post-press. In other words, In-press and Post-press are meant for Hardcore Printing and Binding & Finishing works respectively. Pre-press section is there to take care of all tasks required to prepare an Image-carrier. The work in any typical Pre-press section starts with the preparation of copy that is required to be reproduced. Nonetheless, computers & their applications are an indispensable part of our Pre-press jobs. Generally, Desk-Top Publishing software like Quark X-press, Illustrator, Corel-Draw, Fox-Pro, Prinect (Heidelberg), Photoshop, Adobe In-design, Adobe PageMaker, MS-Office etc. etc. are used in Pre-press works. The Console/Control mechanism present in Printing machines (In-press section) and Bindery equipments (Post-press section) are also using various Computer technologies.

References

- bsr.org/bsrconferences/index.html
- Printing Technology (Edition 5.0) by Adams, Faux, Rieber

2. 1. 4/5/6/7, Page-1083

Index Terms

Computer Science
Emerging Trends in Technology

Keywords
Printing  Packaging  Pre-press  In-press  Post-press  Image-carrier