

# Certificate Course in Corrugated Packaging – Automatic Process

It is known that compared to operations on semi automatic machines, manufacture of corrugated boards and boxes on automatic plants calls for a totally different understanding of the raw material requirements, quality parameters, as well as manufacturing operations. Besides in automatic process other aspects like scheduling, planning, wastage, energy, etc also play a more important role.

Therefore, the basic aim of this Course was to cover the entire gamut of these aspects, specific to automatic process to enable the students to understand and appreciate the factors involved in the efficient and profitable running of the automatic corrugated packaging unit.

In the Course, spread over 5 days, the important aspects such as **raw materials, machinery, sources of energy, wastage control, productivity, quality systems, importance of planning & scheduling to achieve constant speed running**, etc. were discussed in details.

One of the very important aspects such as **warping of paper / board** was discussed in detail. The other important raw material i.e. **starch adhesives**, i.e. different ways of manufacture and their influence on quality were discussed.

**Among the machinery** subjects discussed were different corrugators and how they affect quality, productivity; different corrugating rolls; different corrugator belts and how they help in board quality; different double backer machines; various scoring trimming machines; cut off knife stations; various auto stackers and how they help to speed up production; various flexo printer slotters and

their advantages & disadvantages; type of anilox rolls and their influence on print quality; various water based flexo inks; die cutters, their role in productivity & quality; folder gluer, stitchers, etc.

Energy source such as **'Steam'** was discussed in detail i.e. generation, circulation, prevention of loss different fuels and their merits & demerits. Further, practical tips to save energy in corrugating plants were specifically discussed.

**'Wastage Control'** the ways and means of controlling the wastage were specially discussed in the Course.

Among the general topics discussed were, productivity norms, quality systems, packaging solution using plotters & design software etc.

The faculty included internationally acclaimed speakers like Mr. Tony Pinnington, Longview Consulting, UK, Mr. Dietmar Jambor of BHS Corrugated, Germany, Mr. Ang Gee Leong of Bobst Group, Mr. Y.C. Hoe, Mr. Rodolphe Keller, Bobst Group, Mr. Pankaj Shah, Mr. Manish Patel, etc.

*WICMAR & D Centre conducted the first ever one week "Certificate Course in Corrugated Packaging – Automatic Process" at Inter Continental The Lalit, Mumbai from May 11 – 15, 2009. The Course was supported by TAPPI, U.S.A*

