

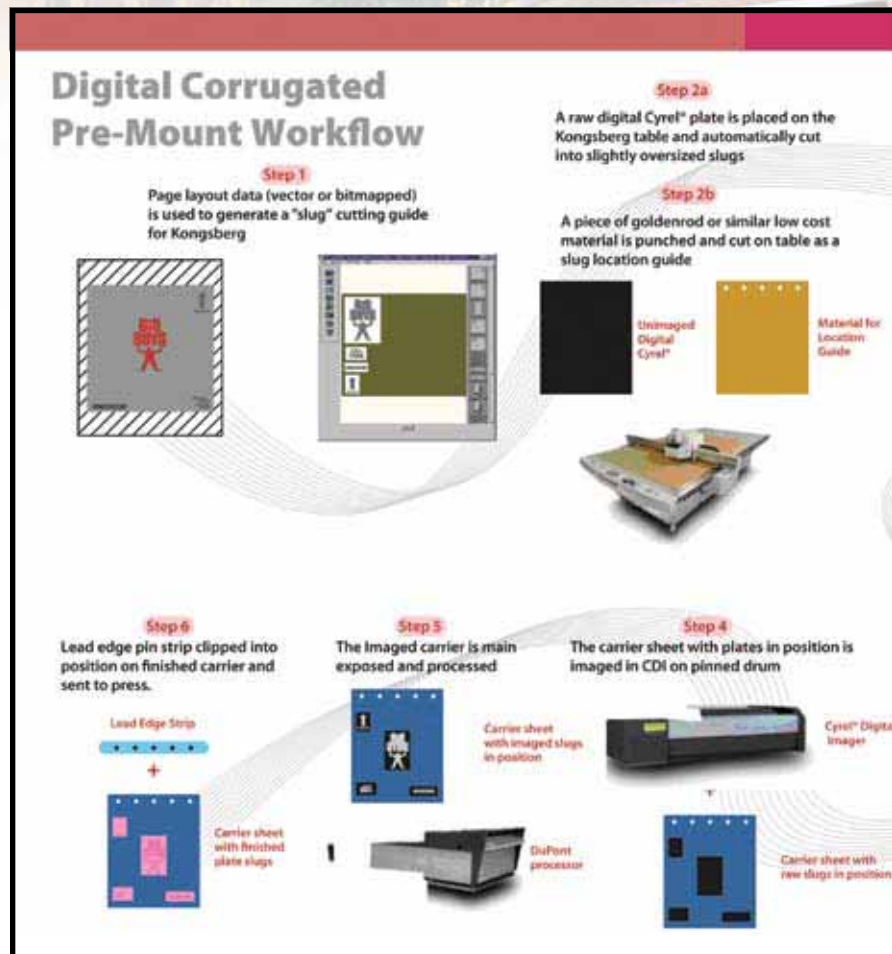
# CORRUGATED SEMINAR

ACCA Bangkok 6 August 2009

Mr. Philip Wong open his speech that now the corrugated industry need not just a strong board, also a beautiful boxes than can sell the products inside it.

Therefore Mr. Vijaj of Dupont mentioned that it is very important to know how to make a good printing postprint board so that we are not only just making a normal corrugated box become a silent salesman, but also trying to go to new opportunity to change the duplex box to corrugated box just like China has done successfully. It has been calculate that flexo postprint is cheaper than sheet offset even only for short job as with offset you have to do laminating. If the flexo can survive and help customer in China (THE VERY COMPETITIVE MARKET AND PRICE CONSIIOUS) to go to new business area, for sure it can do in other country.

And Esko made their presentation on their new innovation for the corrugated market called Digicor, by mean making the mounting digitally and output on their sample plotter Kongsberg. With this system many jobs can be combine to reduce waste which make mounting machine reduntat that what Mr. Michael Pradit quoted on his presentation.



Of course to make flexographic printing close to offset we must be able to produce finer flexo printing, by means we used finer aniloxes, inks must be stronger due to finer aniloxes has small cell volume. Mr. Kazuhiko Matsumoto of Sakata ink mentioned that the ink formulation for rough anilox and fine anilox would be different as follows :

Also important to consider the ink viscosity vs printing quality

Before making plate, it is better to get Dot Gain Curve using a Test Chart (after we do finger print)

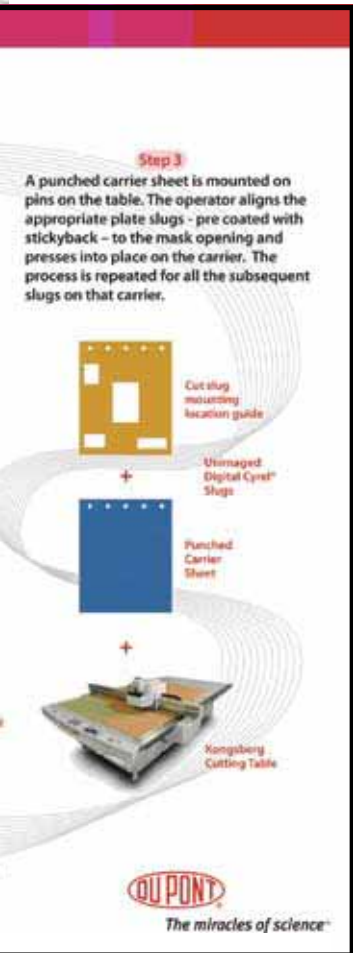
Ink formulations for rougher anilox

Pig	Varnish	Em	Water	Ad
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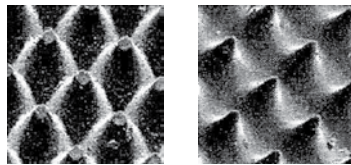
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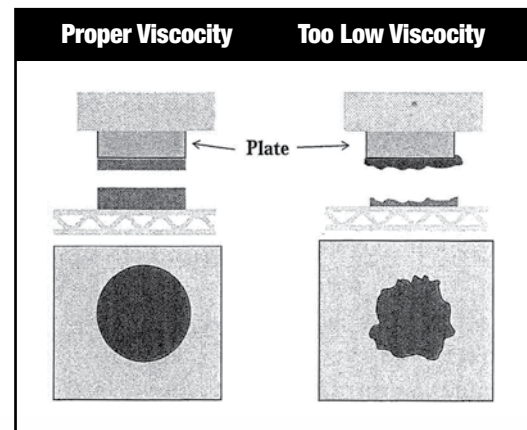
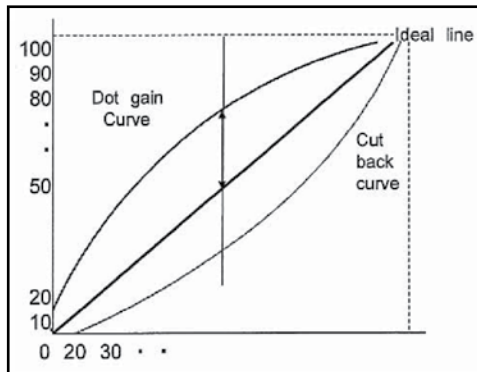
Remarks) Pig : Pigment, Em : Emulsion, Ad : Additive



### Dot % printing Analog vs Digital



### Dot % plate



Of course fine printing on corrugated board only possible if we have a good board, too. Therefore Mitsubishi Heavy Industries use belt pressure for their single facer, so that the board will almost has no line mark during printing.. And this innovation corrugated machine has the top speed in the world of 450 mpm for its single facer and splice as well we do the cut off with 300 mpm.

