

## The ink for ink-jet printer

The basic principle of ink-jet printing is to create ink drops and direct them on to a substrate. In general, there are two types of printing: Continuous Jet (CJ) and Drop on Demand (DOD)

➤ CJ methods of printing:

- (1) Deflected Drop
- (2) Undeflected Drop

These methods are used for printing for labels, cartons and low-profile products.

➤ DOD methods of printing:

- (1) Piezo
- (2) Thermal Bubble

In Piezo printing the ink drop is modified and directed into the substrate by an electrical signal. The key supplier is Epson.

In Thermal Bubble printing the ink drop is produced by thermal energy and then directed to the substrate. The key suppliers are Canon, HP and Lexmark.

There are three types of inks: oil-soluble, water-soluble and heat-soluble. Our inks have good flow characteristics and do not clog the jet head (minimising cleaning and prolonging the life of the jet head) They are very economical but give brilliant and beautiful colour with an antiglare effect better we believe, than other products on the market.