

CHARACTERISTICS OF SCREEN PRINTING

Screen printing has the following advantages and disadvantages compared with other printing method



Printable on various substrates

Screen printing is commonly used to print on wide range of substrates except paper.



Printable on the substrates with various shape and size

Screen printing is used on the various substrates regardless of thier shape and size taking advantage of the stencil that fits to even the curved material.



Printable on both rigid material and flexible material

As the stencil is flexible, it is possible to print on hard materials such as glass and metal as well as soft materials such as paper and fabrics.



Printable on fragile material

As printing pressure is small, it is possible to print on fragile matters such as glass.



Thick coating is possible

Thick coating is possible by using special stencil. Braille points can be printed with this technique.



Vivid colors, excellent opacity and weathering resistance

Thick coating makes colors more vivid, finish more opaque and lightfastness better.



Many kinds available

Many kinds of inks are available. The kinds of the ink with special function has been increasing.



The stencil is low-cost

The stencil is cheap, which is the advantage in case of production of small quantity.



Production cost is higher. Stencil does not wear well. Printing speed is slower.

The stencil wear and printing speed are inferior to offset printing. Not suitable for mass-production.



Inferior reproducibility and precision

Precision is slightly inferior to other ways of printing in case of thick coating. Reproducibility is also inferior due to the stencil degrading.

APPLICATIONS

Screen printing is used for various substrates in various fields as screen printing can be used on difficult substrates that other printing method cannot be used.



CD, CD-R, DVD



Mobile Telephone



Automobile meter



Audio-visual equipments



keyboard



Membrane switch of electric appliances



Home electronics



Vending machine



Label



Package



Braille-points printing



Bottle