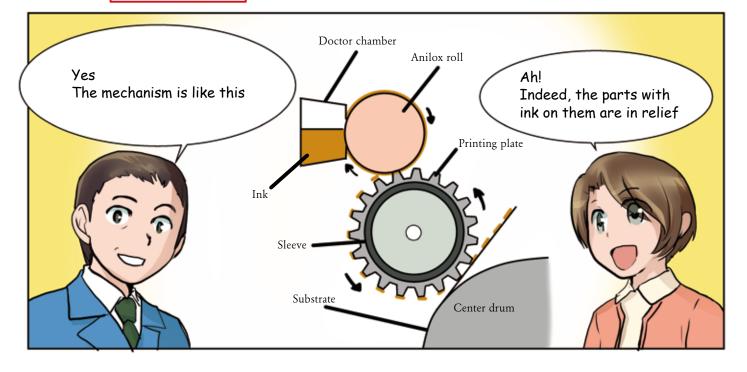


Printing can be broadly divided up as follows

So flexographic printing is a kind of relief printing

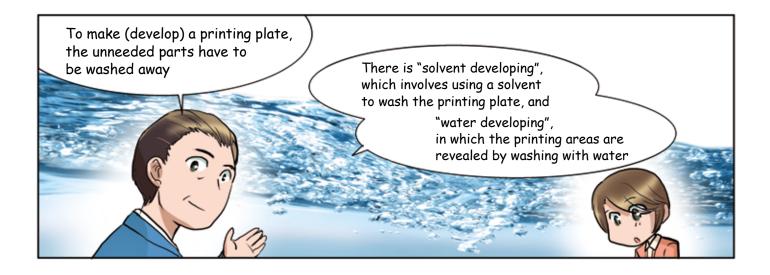


Туре	Relief printing	Lithographic printing	Intaglio printing	Stencil printing
Printing process	Flexographic printing	Offset printing	Gravure printing	Screen printing
Technology	Ink is applied to the raised parts of a printing plate and transferred to paper etc.	To print, water and lipophilic inks are alternately applied to the lipophilic image area and hydrophilic non-image area of a printing plate, on which there is no obvious unevenness.	Ink is applied to depressions in the surface of a printing plate and then transferred in order to print.	Stencil printing can be done by forcing ink through the holes of a mesh etc. that is composed of an image area with many small holes through which ink can pass and a non-image area with an impermeable layer.
Characteristics	Water-based inks can be used Low cost Water developing is possible	Vivid and distinct	Suitable for large- volume printing Voluminous Wide range of needs	Suitable for small- volume printing Can print onto anything
Applications	Newspapers, business cards, forms, cardboard, stickers and labels, plastic film, boxes (cigarettes, cosmetics, etc.), diapers, etc.	Newspapers, posters, advertising flyers, books, printed matter, metal printing, etc.	Plastic film, building materials, photo collections, art books, paper money, stamps, etc.	Various stickers, instrument panels, printed wiring, keyboards, etc.









Example of platemaking process in flexographic printing (water developing):Digital plate

