

# Offset Printing

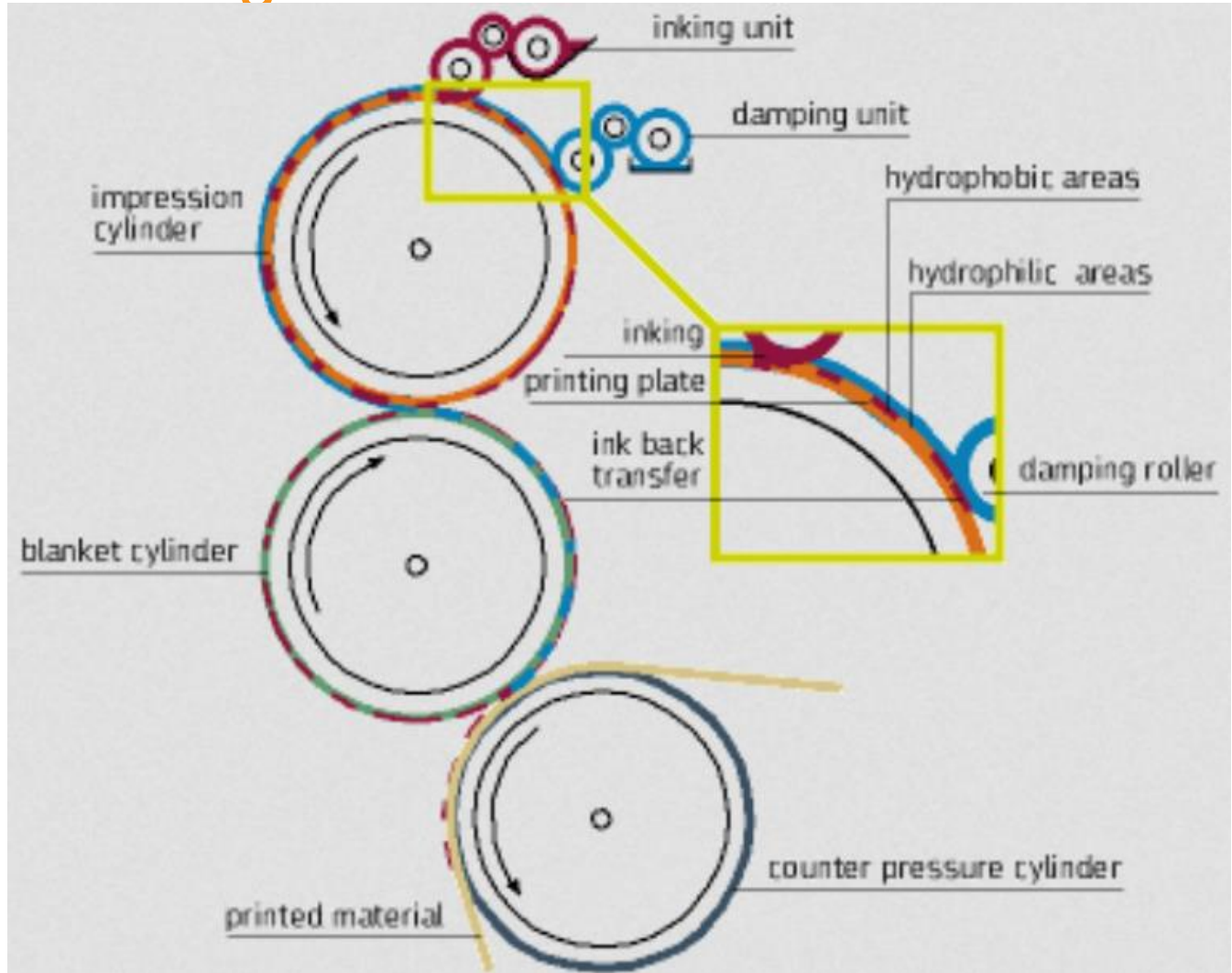
- Commonly used printing technique in which the inked image is transferred (or "offset") from a plate to a rubber blanket, then to the printing surface
- Offset printing is widely used in newspaper and book printing
- Offset printing is the cheapest method for producing high quality prints in commercial printing quantities

<http://www.youtube.com/watch?v=pNZb7CXUjs0>

- A printing process which uses a metal backed photopolymer relief plate, similar to a letterpress plate, but, unlike letterpress printing where the ink is transferred directly from the plate to the substrate
- In dry offset printing the ink is transferred to a rubber blanket before being transferred to the substrate. This method is used for printing on tubs, cups and flowerpots.

<http://www.youtube.com/watch?v=VuyjYY489AE>

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- Offset printing has been applied in printing doped conductive polymers like PEDOT:PSS which can be used conventional inks with few modifications
- Benefit of offset lithography is excellent resolution
- Printed ink film thickness is thin which limits conductivity