

## Lithoprinting (Offsetprinting) :

A flat printing plate with two differing main areas is being used. One surface will accept water or moist while other areas of the plate will not.



The plate is exposed beforehand, so that the to-be-printed images are readable and positive, with exposed areas being "waterresistant".

While the plate is being mounted on a rotating cylinder, rollers are used to permantly dampen the plate, trying to moisten all areas of the plate while only some will actually accept water.

Tel 040/655996-0

Fax 040/65599666

Now, with a second roller, all areas of the plate are inked with an oilbased ink, that will not adhere to the plate, where water is present. Thus, ink will only be transferred onto the non-water-accepting areas of the plate.

Info@MaxSames.de

Postfach 740744

The pre-inked plate is transferred to a counterrotating rubber coated cylinder (then reversed but still positive), that will now accept the ink from the plate on each rotation. Below, after another half of rotation, the stock will be waiting for the inked rubber cylinder to accept the ink with yet another cylinder, pressing the stock against the rubber surface with the reversed ink.

D-22097 Hamburg

Stegerwaldring 27

Offset- or lithoprinting is one of the very few methods, that will be able to reproduce even fine screening, necessary to build the 4-color process needed in CMYK (C=cyan, M= magenta, Y=yellow, K=keycolor (or black))

D-22119 Hamburg