

MAX SAMES

Digital Print:

All digital, tonerbased systems use the same principle: A laser unit ionizes the surface of a metal drum beeing rotated in front of the laser unit. By use of a row of fine laser diodes or a fixed laser and rotating mirrors, the image is being transferred to the drum.

The ionized parts of the drum only will attract the fine toner particles that are then transferred to the paper and "burned in" (developed) in the following developing unit.

In multicolour systems, there will usually be a single drum for each color used. For instance, there will be 4 drums and toner reservoirs in a typical 4 color system.

The imaging process may take up to a few seconds on each new image and the overall speed will depend on the curing time needed in the developing unit along with the burn-in temperature available in the system, to harden the imprint and make it last.

Ideal systems will adapt their speed to the needed developing time resulting in higher speeds on thinner, lower speeds on thicker, havier stocks.

Other systems will work with liquid- or wax-based pigments (toner) but will often need specially prepared surfaces, often referred to as "primer".



Tel 040/655996-0

Fax 040/65599666

Info@MaxSames.de

Postfach 740744

D-22097 Hamburg

Stegerwaldring 27

D-22119 Hamburg