

Copenhagen Climate Conference concerns printers

manroland believes: that's what EcoLogic means!

Protection of resources, energy efficiency and heat recovery contribute to profitability. Here are five ecological aspects that printing companies should also pay attention to in 2010.

I like going fast

During the start-up phase a printing press consumes a great deal of electrical energy. As opposed to an automobile, consumption drops as speed increases: so release the brakes and accelerate. The selection of peripheral systems plays an important role. Temperature control and air supply are process-dependent and here the potential savings are very significant. Need-regulated equipment and proper operation are the measure of things. The same goes for alcohol: many printing companies use alcohol; from 3 to 15 percent IPA in the dampening solution. Less IPA means lower costs and better breathable air.

The power of heat

What one has one does not have to buy. Many industrial processes inevitably generate heat as a by-product. The heat recovered from running processes can be directly utilized somewhere else.

The last one to go turns out the light

There is still no technical solution that replaces sensible behavior. Until there is the following applies: the cheapest kilowatt hour is the one not used. Power your company with green energy. Low-emission regenerative energy benefits the environment and reduces your ecological footprint.

I can't see the woods for the trees

There is no such thing as Pantone blossoms and HSK flowers. But there are inks made from renewable raw materials. Mineral oil is a finite raw material but bushes, flowers, etc. grow again every year. And thanks to FSC and PEFC, paper produced from wood grown in sustainable forests is available.

Bakery or printing plant?

Low-emission powder spraying is achievable through applying the minimum amount of powder needed and powder extraction. With modern powder extraction systems you can reduce powder emissions at the workplace of your printers by up to 90 percent.

manroland AG is the world's second largest printing systems manufacturer and the world's market leader in web offset. manroland employs almost 8,700 people and has annual sales of some Euro 1.7 billion with an export share of 80%. Web fed and sheetfed presses provide solutions for publishing, commercial, and packaging printing.

manroland AG

Corporate Marketing & Communications
86219 Augsburg

Thomas Hauser

Phone: +49 (0) 821 424-26 82
Fax: +49 (0) 821 424-12 00
E-mail: thomas.hauser@manroland.com

Eva Doppler

Phone: +49 (0) 821 424-38 95
Fax: +49 (0) 821 424-12 00
E-mail: eva.doppler@manroland.com

Andrea Bleesen

Phone: +49 (0) 69 83 05-34 10
Fax: +49 (0) 69 83 05-69 34 10
E-mail: andrea.bleesen@manroland.com

Photos can be downloaded from www.manroland.com in the category **Press**.

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Captions:

manroland has the fifth color: CMYK + GREEN | © manroland.

Overview of potential savings through efficient use of environment-friendly technologies with a six-color ROLAND 700 HiPrint LV printing 38 million sheets per year with 8,500 sheets per job and 20 jobs per day. | © manroland.