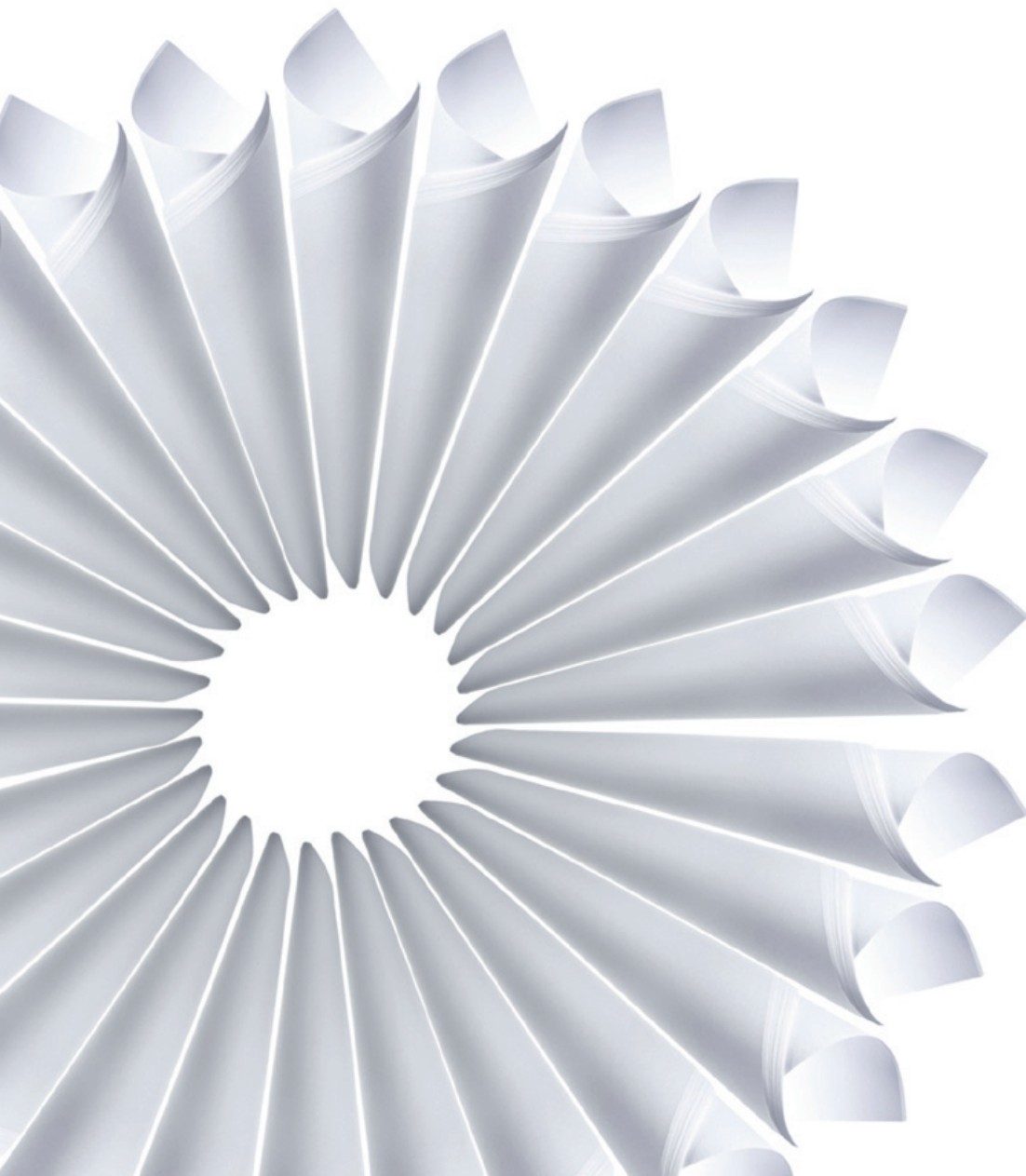


# UPM PRINTING PROCESS WORKSHOP

Efficient learning through practicing on simulations



# UPM Printing Process Workshop – gaining print related knowledge through practice

The UPM Printing Process Workshop combines lectures with practical hands-on exercises. It provides a platform to share knowledge, experiences and ideas while performing an exercise. The participant works in a team and the fun factor motivates them to learn even more. During the workshop sessions a lot of practical examples and tools are in use, e.g. printed copies showing print defects, densitometric measurements and microscopic examinations will be done and of course the print simulator will be in use most of the time whenever possible. Our workshop is directed to all target groups and skill levels, from the office person who needs to learn about the basics up to the press manager focusing on a specific topic like improving runability on press. It provides also a good introduction if a printer has to change to another process, e.g. from Sheefed offset to Heatset Web Offset.

## **We use Sinapse Print Simulators in our seminars**

The simulator is intended to help new printers acquire skills and to help experienced personnel sharpen and extend their existing knowledge. It plays the same sort of role as a flight simulator for pilots. It can be used in two ways: standard or problem-solving.

In the standard mode the press is perfectly adjusted, and only the trainee's actions will cause problems. This let the operators experiment with temperature and pressure adjustments, see what happens when the viscosity changes or the ribbons advance, etc. It helps them understand the way the press works. In the problem-solving mode, the trainee will be confronted with unexpected problems and will learn how to analyze them, how to check, what the cause might be, and how to correct the problem. The powerful scenario generator allows experienced personnel to create production problems that will allow anyone in the pressroom, from apprentice to craftsman, to learn problem-solving skills and gain knowledge that will advance his job performance and value.

UPM works closely with Sinapse Print Simulators to improve constantly the quality of the simulation software. Experts of the FEG group – consisting of leaders in the Print Supply Industry like Goss International, SUN Chemical, Trelleborg, MEGTEC and UPM – has given lots of input to Sinapse Print Simulators to make the Heatset Simulator even more realistic. After finalizing a two year development project with Sinapse and the VTT Research Institute, UPM has now a version of the HSWO Simulator with UPM exclusive special features. It offers nine different UPM papers with their specific behavior on a heat-set press. Also 14 new printing faults like fluting and ghosting are available.





## Facility and more

### The Training Facilities

Training on simulator is especially successful when it is connected to a console. The press console we are using for the training has been designed and developed by UPM for the purpose of training. It is based on a Honeywell Printa-System which has been customized to run the three simulator software modules. This is unique in the paper and printing industry. We can offer training on the same console for the Heatset Web Offset, Coldset Web Offset and Sheetfed Offset methods. The Training facility has been fitted with multiple projectors and an interactive white-board to get the most out of the training lectures. We can take up to eight trainees at the time.

### The Printing Instructor Team

UPM Printing Process Workshops are held by printing experts with practical experience in problem solving at printing presses. Our team of seven trainers are working partly as trainers but most of the time as Technical Sales engineers who give customer technical support on every day basis.

### Your needs – what we can do for you

We are offering a series of seminars from basic and advanced level up to expert level courses. Please see the leaflet for more information on the content of our workshops. You wish to send a group of people? We may also arrange training for your group of six people when lots of practising with the simulator is needed or up to eight participants when the topic is related to basic knowledge. If you have any specific wishes on the content tailored for your group please ask us for a quotation. [seminars@upm.com](mailto:seminars@upm.com)





## UPM – The Biofore Company

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