

Paper Technics

Orientation Course in Papermaking 2011: Sep 28-29th



Training Courses for the Paper Industry

Venue

DeVere Whites Hotel, Horwich, Bolton

Presenter: Dr Steve Mann

Booking a place

Book your place on the course

www.papertechnics.com/userimages/procart9.htm

Who should attend?

Process Technologists and Managers, Project Managers, Shift Managers and Production Dept personnel will find the course highly relevant. Technical sales representatives (mills and suppliers) will gain a real understanding of papermill operations

Improve your mill's product quality, costs and production rate!

What will this course provide?

This excellent **course** will provide the trainee with a **thorough but concise overview** of the **essential operations in paper production**. By attending the course, an understanding of the factors affecting paper **quality** and **throughput** will be obtained. This will lead to a **smoother operation, improved troubleshooting and lower production costs**.

An understanding of the **energy implications** of the principal types of equipment involved in the paper making process and background is presented in the last module.

A **step-by-step, clear, concise** guide to the papermaking operation will be given.

A **set of modules** covering the entire subject from **stock preparation to finishing** is presented.

A useful guide to the operational principles of most types of papermaking equipment.

This kind of knowledge would be difficult to gain elsewhere.

It's also an ideal starting point for further study and gives an idea of where your specialist area fits in to the overall picture.



Interesting, absorbing, extremely well presented by a real expert in the subject.

EU Focus training material included.

NSA accredited training course.

Paper Technics

Orientation Course in Papermaking 2011: May 24-25

Improve your mill's product quality, costs and production rate!

Training Modules: Day 1

- **History of Papermaking -**
A brief introduction to papermaking. A chronology of important dates in papermaking history starting 60,000 BC.
- **Fibrous Raw Materials**
Looks at fibre sources, wood and non-wood, the chemical and physical makeup of wood fibres and briefly describes the range of pulping methods from mechanical to chemical.
- **Water and Chemical Additives**
Lists the sources of raw water, impurities and treatment methods, and goes on to discuss the types of chemicals used at the wet end of the paper machine and reasons for using them.
- **Stock Preparation -**
Systematically walks through the stock preparation area and describes operations from slushing to refining as well as the deinking processes. Discusses the refining mechanisms for chemical and TMP pulps, the effect of refining on sheet properties, and hornification.
- **Screening and Cleaning**
Explains the reasons for screening and cleaning, and how the different strategies work for different contaminants. Goes on to describe a typical approach flow system and the operations performed in that area.
- **The Fourdrinier, Board and twin-wire machines**
This session concentrates on the main types of papermaking machine available and covers the variants from the earliest Fourdrinier type, to the latter developments of board machines and the main characteristics of these machines.

Paper Technics

Orientation Course in Papermaking 2011: May 24-25

Training Modules: Day 2

- **Tissue making and Pressing**
Describes the types of tissue produced and the machines used to produce the various grades.
The section on pressing covers the different types of press arrangement and the function of press felt and the way in which pressing can influence the final paper properties.
- **Coating**
Discusses why we coat paper, and goes on to describe the components of a coating mix such as the various pigments, binders and supplementary additives. Describes the various coating methods, and their advantages/disadvantages Shows how coating colour formulation calculations are performed and gives examples of different formulations for different purposes.
- **Finishing**
Describes the breaker stack, calender, supercalender, conditioning, winding, slitting, sheeting, and guillotining processes.
- **Converting and Printing**
This module looks briefly at laminating, embossing, creping, impregnation, corrugating, and the various printing methods.
- **Process Control**
A very simple overview introducing the concepts of open and closed control loops, and discussing the benefits to be gained from good process control.
- **Energy and the Carbon Footprint**
This session focuses on this important topical subject and gives an indication of the current status of the paper industry in terms of energy usage and the measures being taken to improve the situation.

Paper Technics

Orientation Course in Papermaking 2011: May 24-25

Price

2 day course: **£500** per delegate

Booking and payment

+ www.papertechnics.com/userimages/procart9.htm

and pay by Paypal or credit card

+ Phone 01524 261632 or email

graham@papertechnics.com with the number of places required. Pay by merchant services with credit/debit card

+ Phone or email, provide order number and we will invoice