



PITA & Papierzentrum Gernsbach present. . .

“Fundamentals of Papermaking”

22nd & 29th April then 13th & 18th May 2021 / **ONLINE**

This course provides a fast track introduction to Papermaking between the Mixing Chest and Reel-Up. The course raises the knowledge of process, technician & support staff to an intermediate level of shared understanding regarding modern Paper Machine Operations.

In addition to being valid as a standalone course, the course contents also provide an introduction to the ‘Operator Development Programme’ (ODP).

This course is a longstanding well-received part of the PITA Training Portfolio and provides UK Papermakers with access to the resources of the German Education and Training system and essential preparation for individuals pursuing a career in the Paper Industry.



Day One:

Introduction to the Industry: Overview of industry / figures of national & international productions / raw material & resource development / Changes in the raw materials, energy & production in the paper / Paper technology in the future

Stock Approach Flow: Feed flow in the Stock Approach System / Stock & water loops / Machinery & build up / Impact on quality & runnability

Head Box: Distribution systems / Design & types / Efflux ratio / Turbulence generation / The ‘Slice’ Impact on paper machine runnability & product quality

Day Two:

Chemical Additives in the Wet End: Chemicals to enhance produce quality / Chemicals for runnability improvement / Introduction into fibre & wet end chemistry

Forming Section: Single & multi-layer designs / Sheet forming fundamentals / Dewatering elements & vacuum system / Retention / Impact on product quality & runnability / Fabric considerations

Day Three:

The Press Section: Press section designs / Fundamentals of pressing / Press nips: grooved, blind drilled, shoe press / Press section impact on product quality & runnability / Press felts & conditioning

The Dryer Section: Fundamental of paper & board drying / Build up of dryer groups / Drying cylinder / Steam & condensate Systems / Pocket ventilation / Dew point & 0-level / Dryer section operations / The Dryer fabric & cleaning

Day Four:

Finishing & Reel Up Systems: Online-calendaring fundamentals / Reel Up Systems

Introduction to Process Control: Computer aided process simulation / “From mixing chest to reel-up” / Start-up of the paper machine / Working with closed control loops / Adjust various machine parameters to improve product quality



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**Only £750 (plus VAT) per person, including full course notes, refreshments
& six months complimentary membership of PITA**

For further details or to book your place on this course, contact Helen in the PITA Office
- (0300 3020 150 / info@pita.co.uk)