

# Optimizing Paper Machine Performance

*Today's competitive environment requires that the paper machine produce a quality product at the lowest possible cost.*

*Harris Group can help you to optimize paper machine performance to maximize profitability and remain competitive.*

We have the in-house experience of project managers and process specialists, knowledgeable of equipment design and processes for all paper and board grades.



## Capabilities

- Flow balances of the paper machine streams using WinGEMS®
- Existing equipment surveys to determine limitations
- Process, mechanical, electrical, and control engineering recommendations for equipment upgrades and modifications
- Drive studies
- Vacuum upgrades
- Training, start-up, and commissioning assistance
- Project cost estimates

## Areas of Expertise

- Headboxes and stock flow systems
- Formers – twin wire/fourdrinier
- Presses and size presses
- Dryers, hoods, and condensate handling systems
- Yankee dryers
- Calenders
- Reels
- Winders
- Controls and ancillary equipment

For more information, please contact:  
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