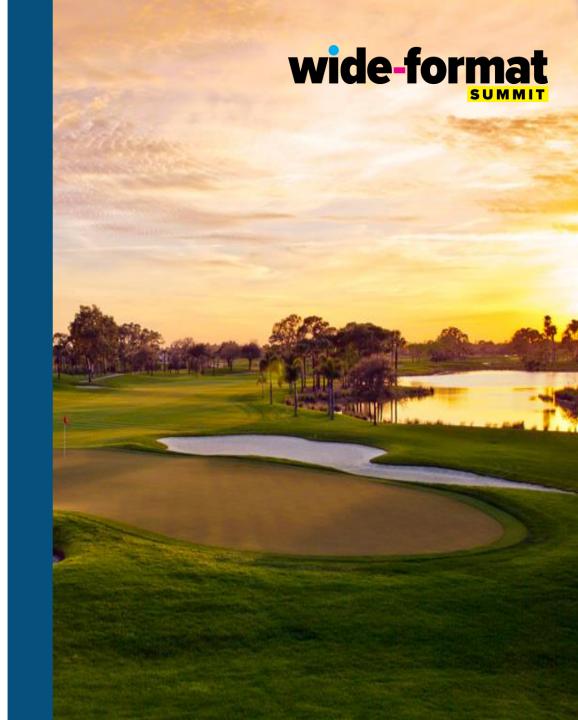
If you had one "burning" question that you would want answered at the Wide-Format Summit what would it be?

Marco Boer

Vice President IT Strategies, Inc.





1. What does tomorrow's technology look like?

- 1. Better PQ, faster, cheaper?
 - Predictive analytics
 - Engineer out maintenance tasks
- 2. Removing human touch points
 - Cloud software (job in-take/print/finishing/shipping)
 - More automated finishing



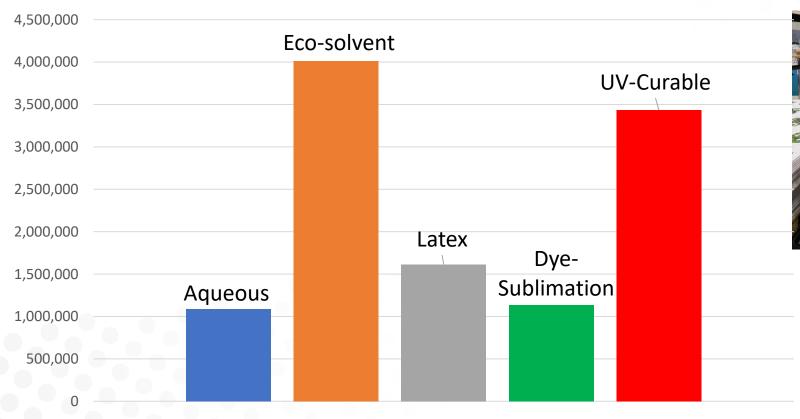




@WF_Impressions #WFSummit2022

2. Will new ink chemistry obsolete existing ink types?

WFG Liter Ink Volume, WW 2021









3. How do "we" address decreasing profit margins?

- 1. Growing competition from commercial printers, other
 - Deeper resources
 - More automation
- 2. Automation isn't free, and isn't a one-time expense
 - Business model is changing from artisanal to professional business
- 3. Net new applications key to margin growth







4. How can we manage inconsistent substrate availability/color profiling

- 1. Waste in re-printing more common as substrate availability changes weekly
 - Investigate existing RIP color profiling capabilities; update or upgrade where needed
 - Investigate if HW OEM can help to simulate media profiles







5. When will substrate availability/pricing stabilize?

- 1. Availability: paper/board, vinyl, or fabric?
 - Less domestic capacity, but shipping container availability improving – enabling greater availability of imported substrates
- 2. Pricing: don't expect any price reductions in the foreseeable future
 - 1. Production energy cost surcharges
 - 2. Shipping cost surcharges







Bottom Line

Don't wait to invest because you fear there will be something better available tomorrow

Technology improvements are mainly focused on removing human touch points

Formalize a capital investment budget for next five years, for HW and software.





