PRODUCTIONSERVER
A professional color solution

ColorGATE — A RICOH Company

- World-class digital printing requires:
  - **Hardware** for speed, accuracy, print durability and substrate handling
  - **Software** that unlocks the power of the hardware by keeping prints consistent, managing print files and color, and connecting your print production to the Internet
- **ColorGATE** is driving the digital transformation in the wide-format, packaging, décor, ceramics and textile industries
- **We** help **you** with transforming your business:
  - Best print quality for décors, surfaces, wide format prints, spot colors, and much more
  - Reduction of ink consumption (Ink Saver technology), waste and overproduction
  - Keeping your printer fleet consistent, even across locations
  - Replacing subjective judgement with objective measurement
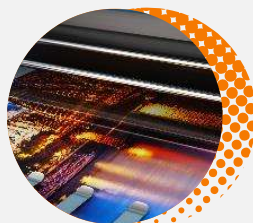 - Digitizing, proofing, all aspects of managing analog / digital conversions along your process chain

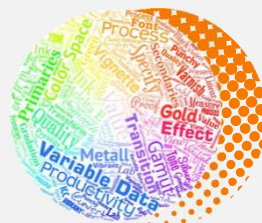# PRODUCTIONSERVER
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Full support of PDF/X workflows and Pantone separations

APPE* Compatibility (Photoshop, InDesign)

High-quality components

Brand color management

- Process incoming PDF files and files with Pantone separations with the touch of a button
  - Compatible with PDF/X
  - PDF/X = „a PDF that contains all information needed for printing", e. g. embedded images and fonts and with proper color
  - PDF/X-3 and X-4 allow color-managed color spaces
- Includes Pantone color library
- ColorGATE uses Adobe's APPE Engine
- Works with Ricoh's L4100, L5130, L5160, T7210 and TF6250 and all industrial systems with Ricoh heads

TEXTILE
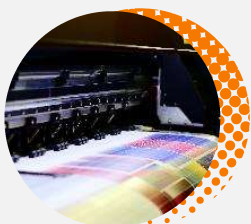# PRODUCTIONSERVER
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TPS

- Define a standard (internal or industry standard)
- Profile the standard, your printing systems, your substrates
- From here, apply the profiles and QA the results*
- Print to print, printer to printer („fleet management")
- Product to product (e. g., different garment brands, or garment to coffee mug)
- Plant to plant (distributed and remote production)
- Fingerprint file* = print data + color readings (requires optional Fingerprint module), for archiving and remote production

Color matching in four different ways

Conversion of color between all devices

Color protection through the process chain

Archiving of data & color for reuse
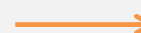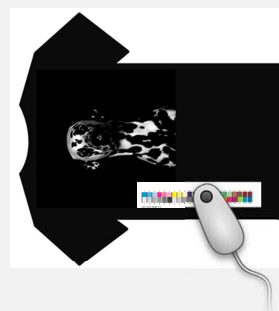
Results	Value	Custo...
Average	2,0	4,0
Maximum	32)1 4,9	10,0
Primaries	(A1) 2,5	7,0

DeltaE calculation: DeltaE   Reset

Media Device Synchronization

Start MDS

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Control over white printing: breath-taking results when printing on dark textiles

- Proper handling of transparencies and overprinting defined in Adobe applications
- Detailed control of white reproduction
- Smart White Creation (Brightness, Brightness / Black), Choke & Spread
- Highlight White
- Knock-outs
- Works with Ricoh Ri 1000