



Digital Technology Promotes and Expands the Application of Digital Printing

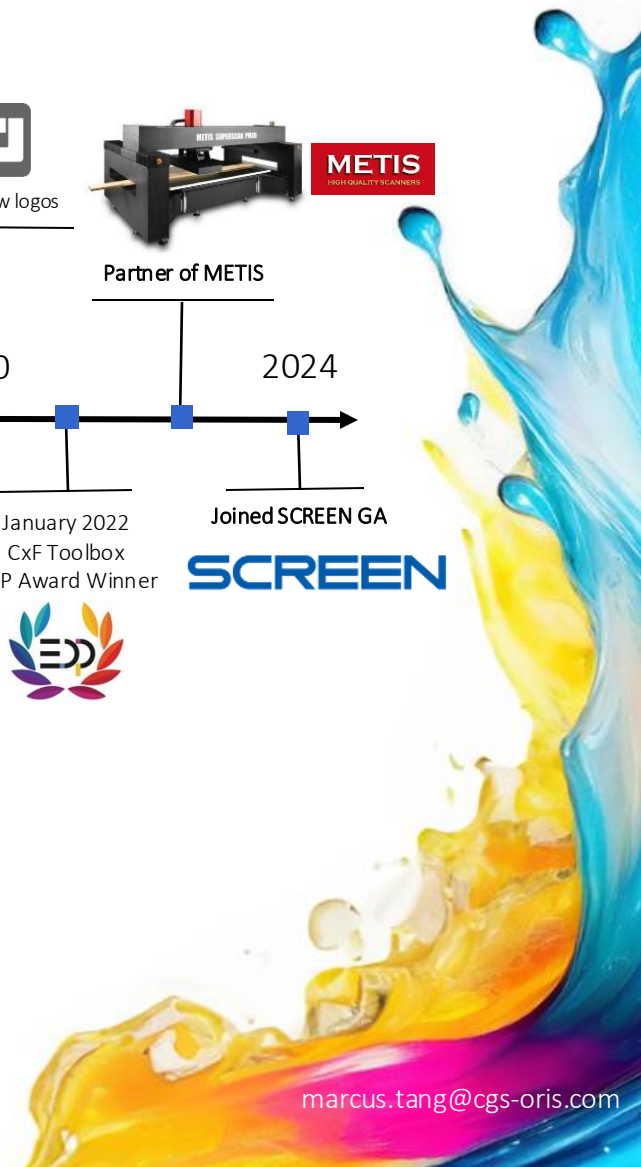
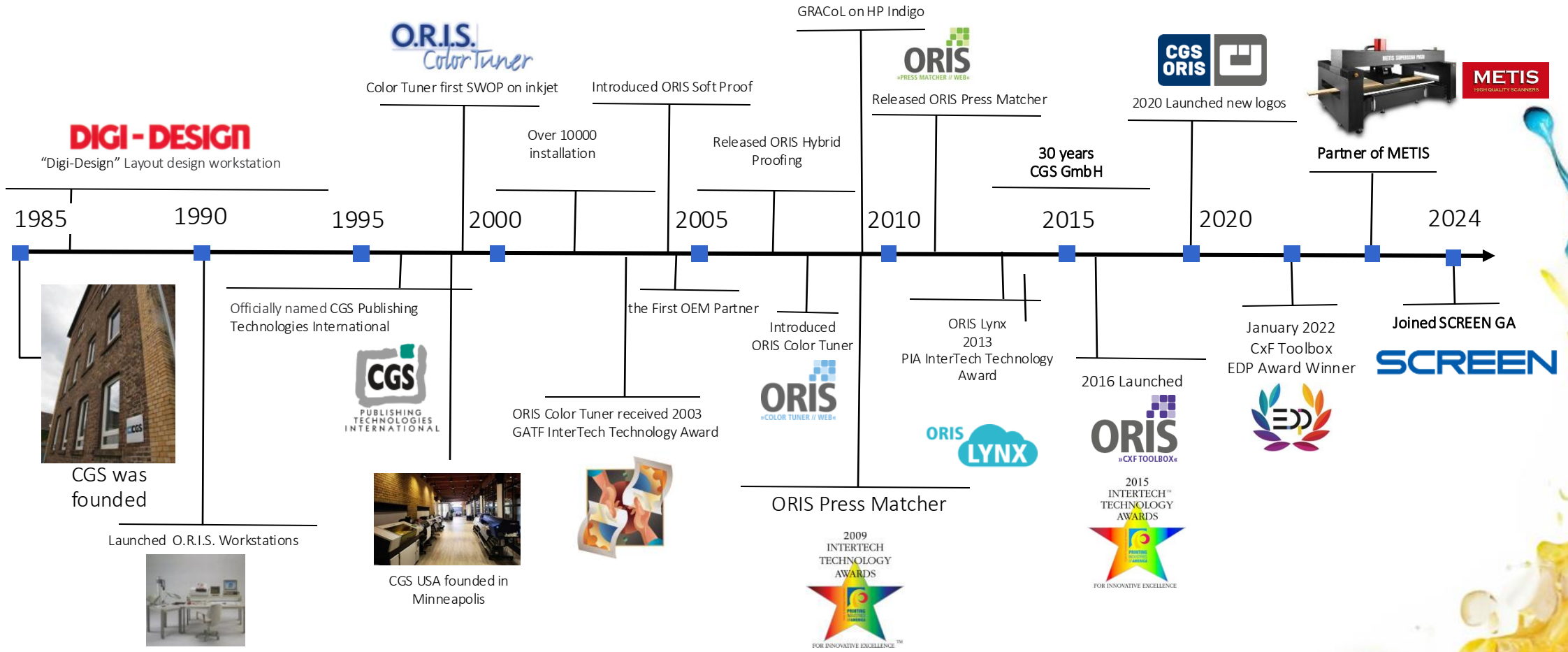
Marcus Tang | Technical & Operation Director- Asia

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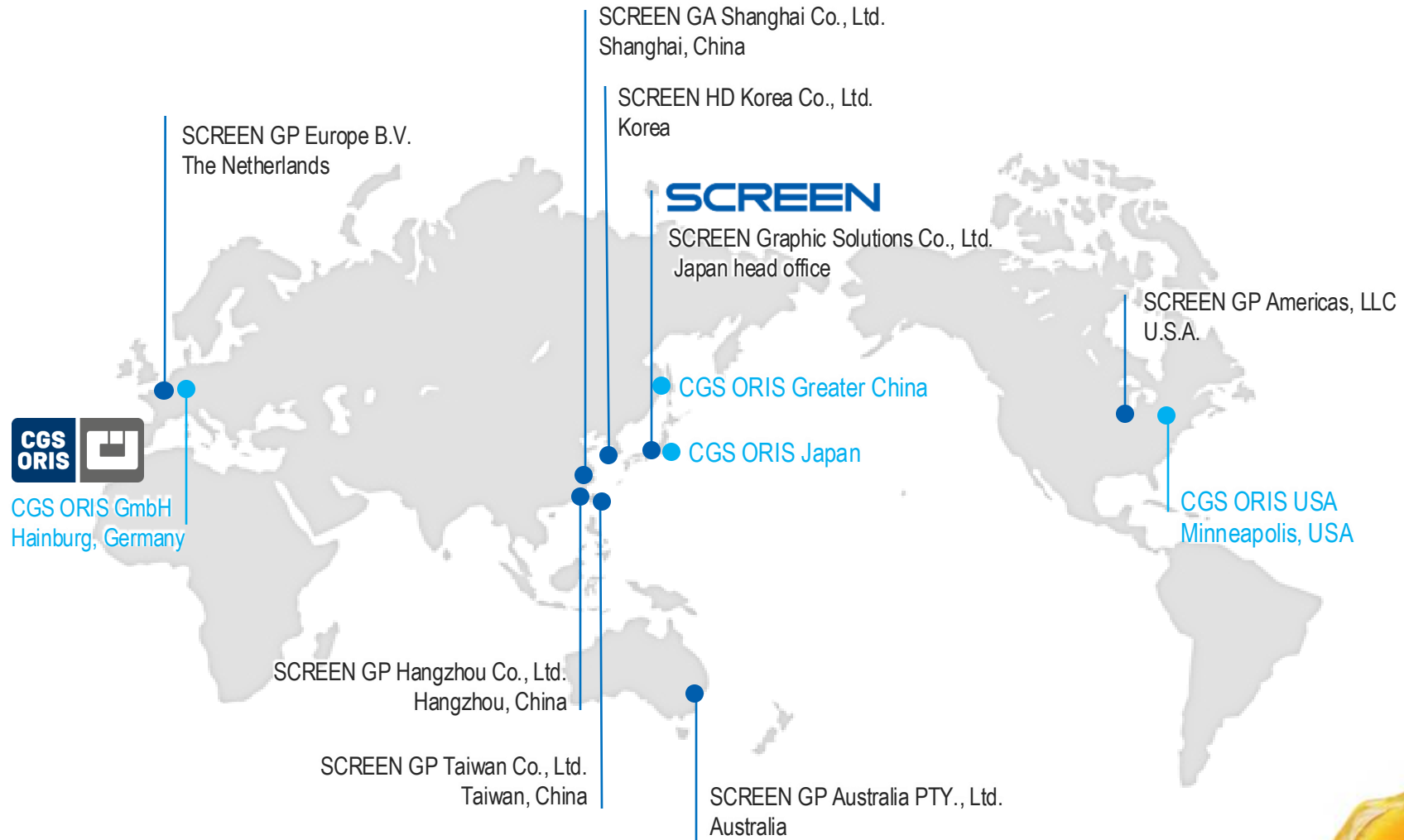


History of CGS ORIS





CGS ORIS Joined SCREEN GA





Collaborating with SCREEN during Drupa

- SCREEN



+



- Real Substrate Proofing for design and prepress



+



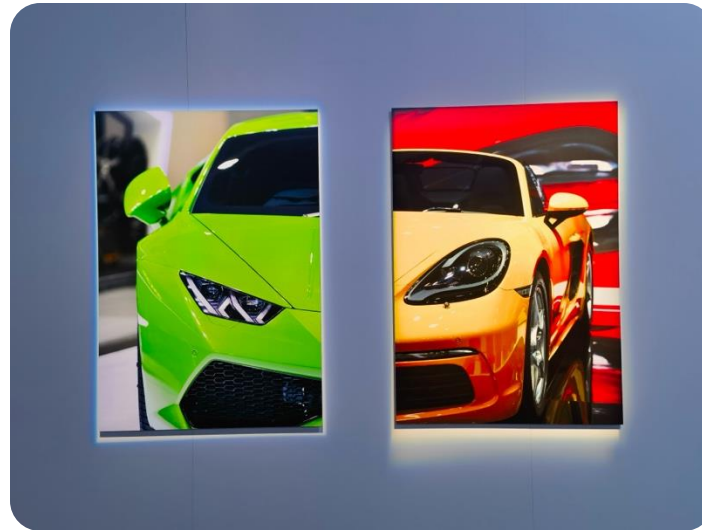
Proofing



Prototyping



Drupa - Landa



✓ Paper Packaging

✓ Sign & Image

✓ Arts

✓ Flexible Packaging

11200 sheets per hour, both sides





Digital printing are going into many industries



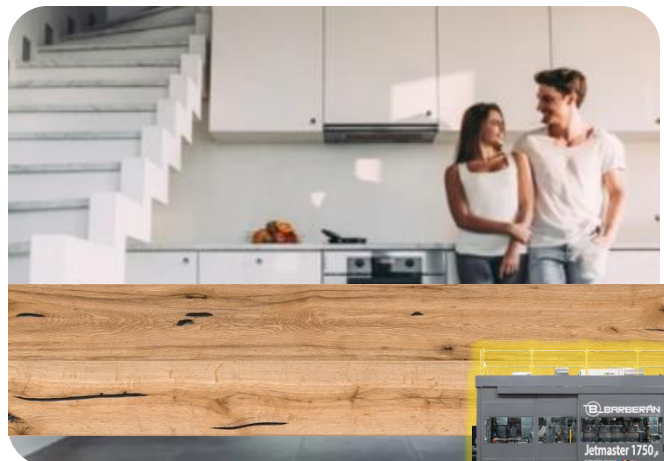
Packaging



Textile



Carpet



Décor Printing



Ceramic



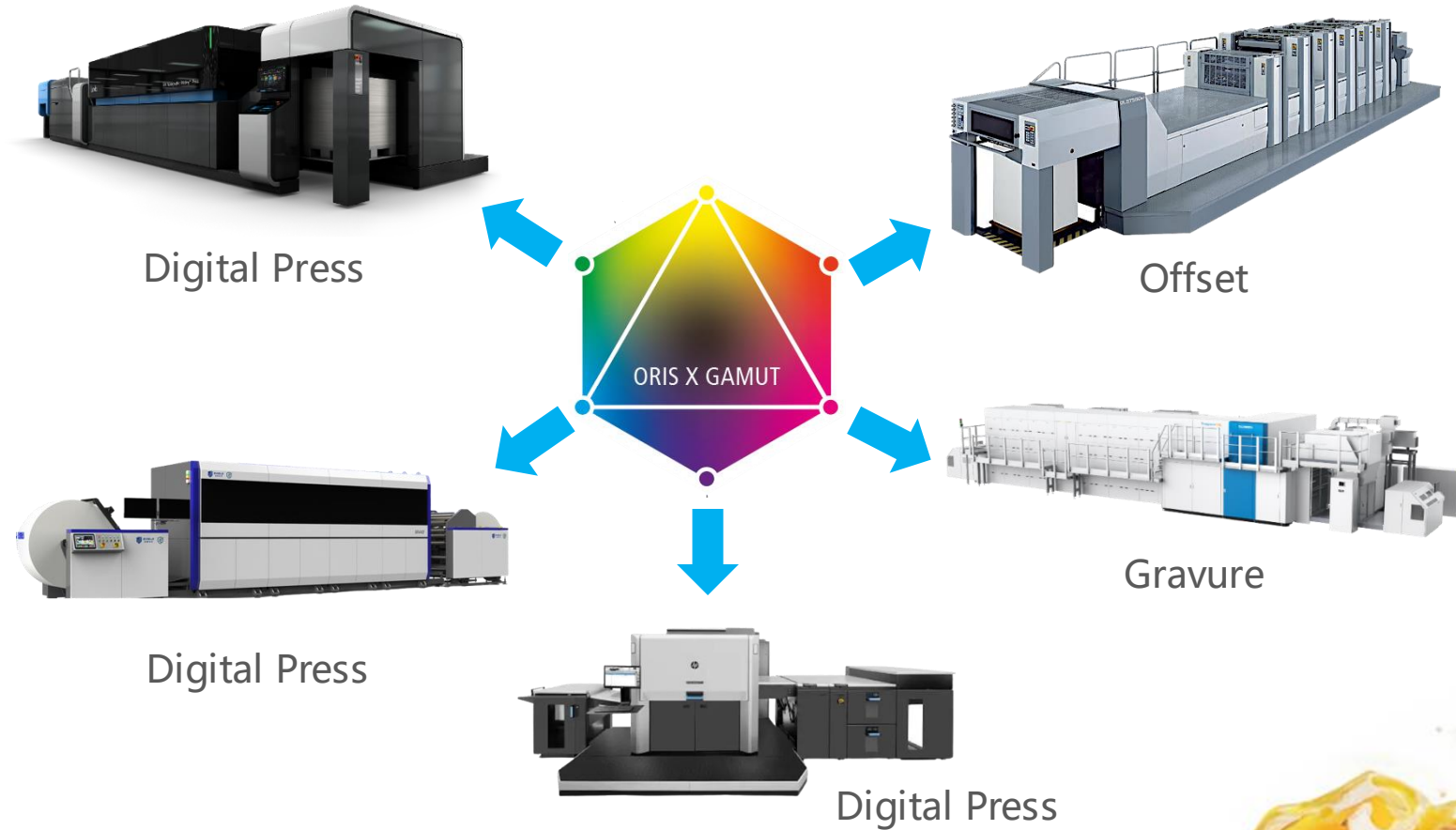
Outdoor Goods





Color management is much more important

- Different materials
- Different machines
- Different requirement
- Multi-SKUs
- Spot colors





SHENGDA Printing

名片/卡片



单页产品



不干胶/标签



画册



PVC产品



数码快印



广告扇



通版/样品/复印纸



联单/票本



办公用品/包装



喷画/条幅/标牌



封套/卡套/筷子套



SHENGDA Printing

Signed big orders:

- 15 Heidelberg press machines
 - 5 HP indigo presses
 - 5 Durst digital presses
 - and Landa digital presses
-
- 2023 Annual Value: **CNY 2.85 billion**
 - Ink usage: **over 30 million** per year (around 1000 tonnes)



大崔 您忠实的印刷工



SHENGDA Printing

SHENGDA Printing

- Price is low.
- Quality is good.

How do they do it?!

- Only B to B - customers: small printing shops, enterprises
- Pay first, then print! - Very good cash flow, No credit terms and prepaid system
- Good machines, efficient process, standardization and color management
- Print more jobs per unit time, which is 3-5 times the capacity of normal printing factories
- Fast delivery, own logistics system



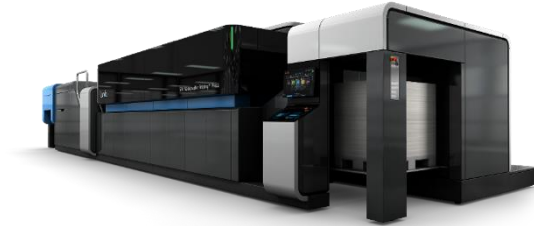
大佳 您忠实的印刷工
www.sd2000.com



SHENGDA Printing



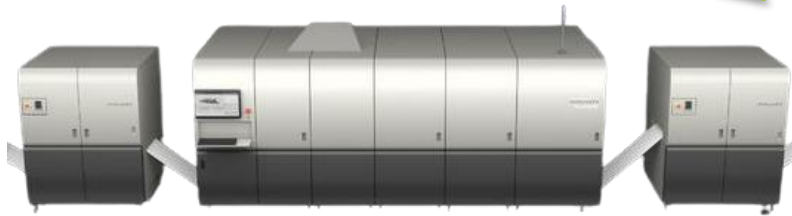
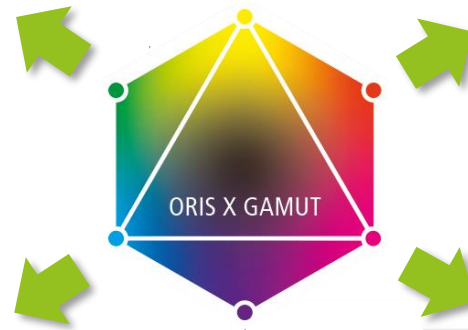
Durst



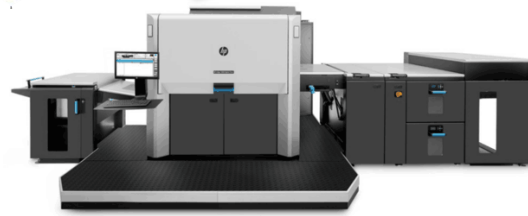
Landa S10



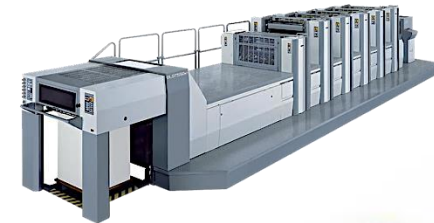
KM-1



Ricoh VC7000



HP indigo 100K



Press Machine



Wausau Supply Co.



- Wausau was founded in 1947
- Business: building and decorative materials
- 20 warehouses and three manufacturing facilities
- Distribute products throughout the United States.
- Is the market leader in building and decorative material area
- Décor printing by digital machines





Wausau Supply Co.



<input type="checkbox"/> Stocked Items Only
Brands ^
<input type="checkbox"/> Diamond Kote Siding System (91)
Product Lines v
Application v
Collection v
Color v
Dimension v
Finish v
Length v
Package Details v
Surface Texture v
Thickness v
Vendor Name v
Warranty v



Diamond Kote Siding System
Diamond Kote® 4/4 in. x 8 in. x 16 ft. Plowed Fascia Bordeaux
 Part #223111436
 MFG #128266-2

This item will have an extended lead time beyond 7 days.

Application Plowed Fascia
Collection DK Fascia
Color Bordeaux
 Please sign in to view pricing and inventory.

U/M
 PK



Diamond Kote Siding System
Diamond Kote® 4/4 in. x 8 in. x 16 ft. Plowed Fascia Cascade
 Part #223111437
 MFG #128267-2

This item will have an extended lead time beyond 7 days.

Application Plowed Fascia
Collection DK Fascia
Color Cascade
 Please sign in to view pricing and inventory.

U/M
 PK



Diamond Kote Siding System
Diamond Kote® 4/4 in. x 8 in. x 16 ft. Plowed Fascia Coffee



Waudena
Waudena 100-Series Full View Storm Door 32 in. x 80 in. Desert Tan

Part #233074949
 MFG #E100STRMDR3280DT

This item will have an extended lead time beyond 7 days.

Please sign in to view pricing and inventory.



Waudena
Waudena 100-Series Full View Storm Door 32 in. x 80 in. White

Part #233074947
 MFG #E100STRMDR3280WH

This item will have an extended lead time beyond 7 days.

Please sign in to view pricing and inventory.



Waudena
Waudena 100-Series Full View Storm Door 36 in. x 80 in. Black

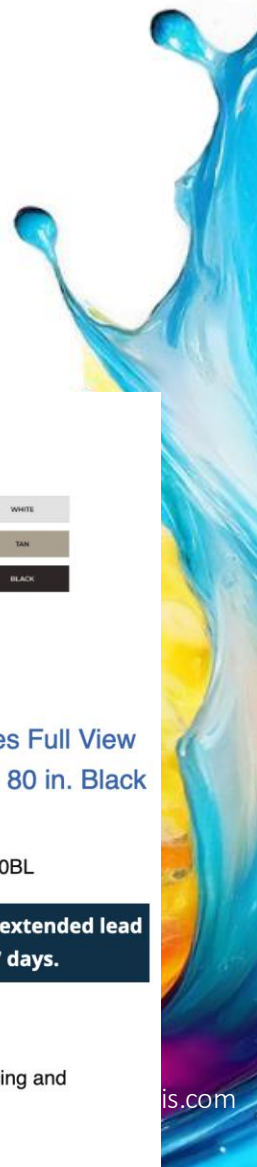
Part #233074945
 MFG #E100STRMDR3680BL

This item will have an extended lead time beyond 7 days.

Please sign in to view pricing and inventory.

- Décor printing by digital machines

www.wausausupply.com





Cecoceco - Artmorph



Luminous Wall Panel-
printed using Digital
printing for ;

1. Wood
2. Stone
3. Textile
4. metal



Wood

Experience the timeless elegance and warmth of natural wood textures.



Stone

Discover the enduring strength and beauty of refined stone surfaces.



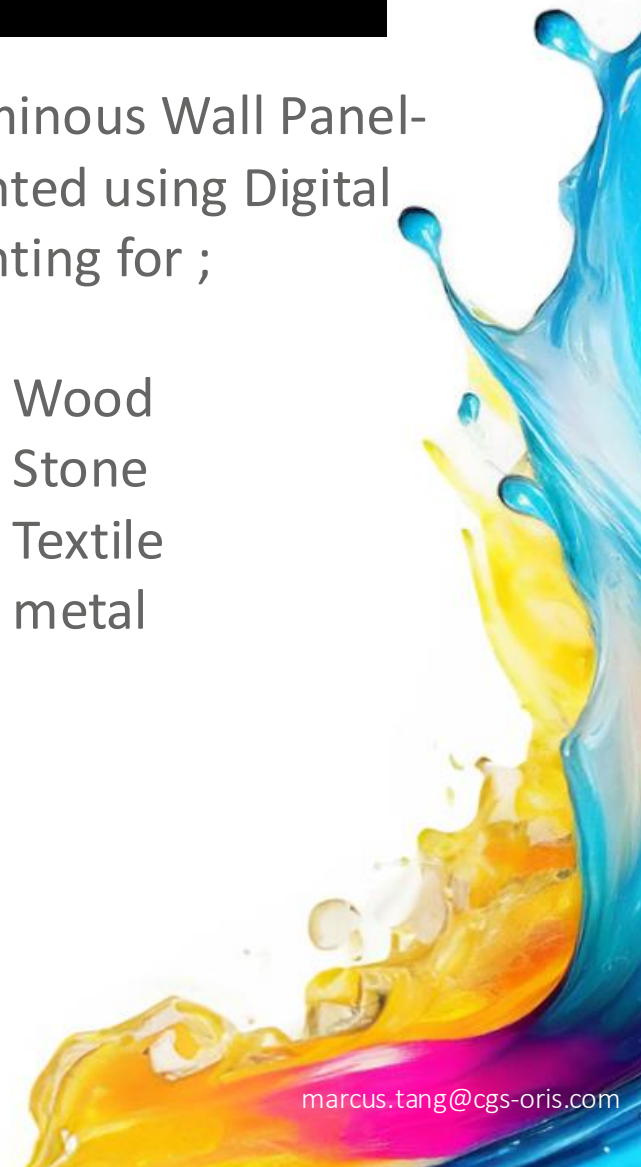
Textile

Embrace the soft sophistication and comfort of luxurious textile finishes.



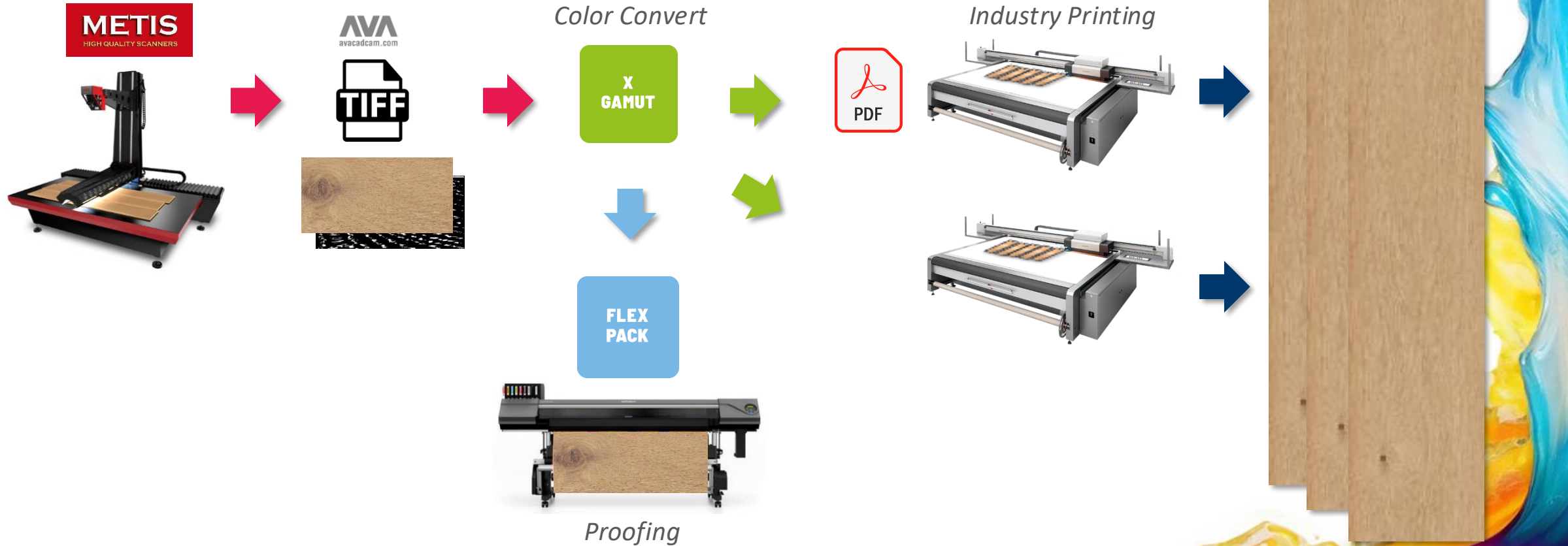
Metal

Admire the sleek modernity and shine of contemporary metal designs.



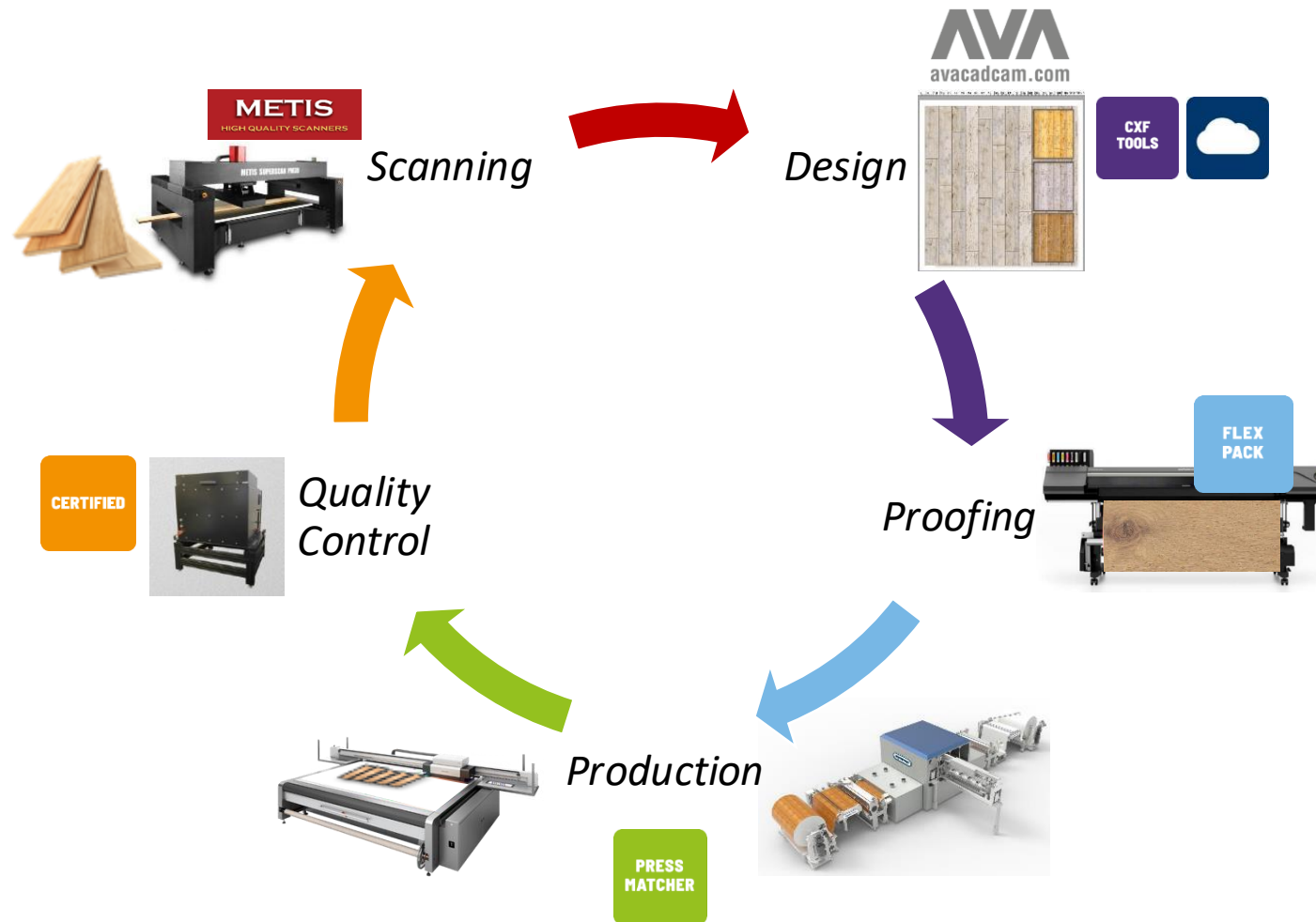


Décor Printing





Collaborating with METIS





ECG Printing

- Printing with a fixed ink-set

Traditional (CMYK + Spots)



Process Plates

- Process Cyan
- Process Magenta
- Process Yellow
- Process Black

Spot Plates

- PANTONE Cool Gray 5
- PANTONE 269
- PANTONE 130
- PANTONE 294
- PANTONE 320

ECG (CMYKOGV)



Process Plates

- Process Cyan
- Process Magenta
- Process Yellow
- Process Black
- Green
- Violet
- Orange

EGP

N-color printing

Fixed Color Palette

Hexachrome Expanded Gamut

Extended Color Gamut

Multi-color printing

Hi-Fi printing Xpanded Gamut 7-Color printing

ECG

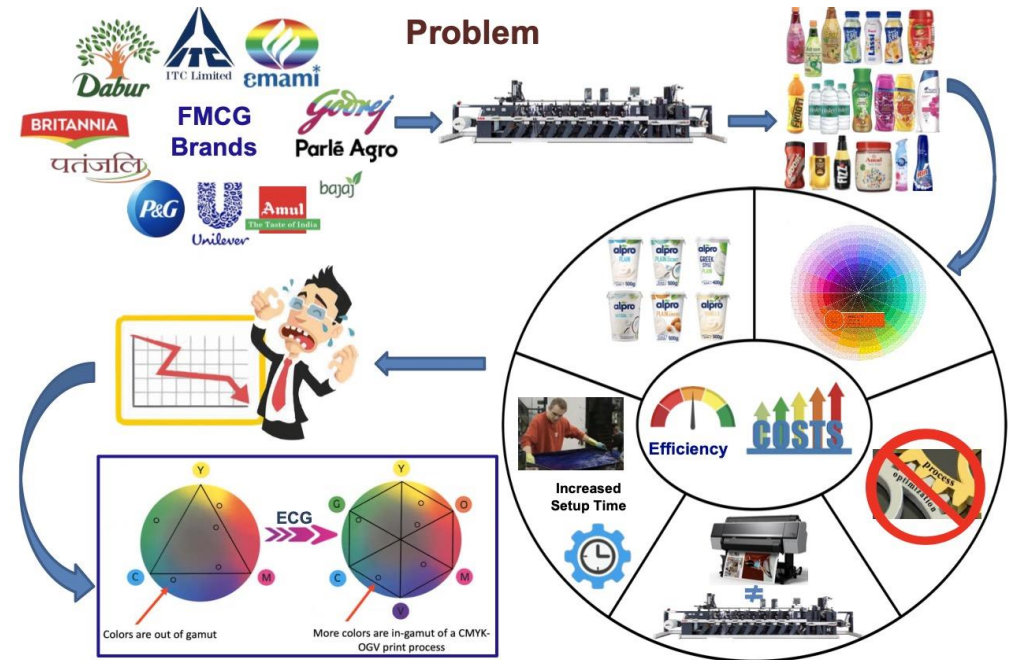
Heptatone printing

Image source: vecteezy.com



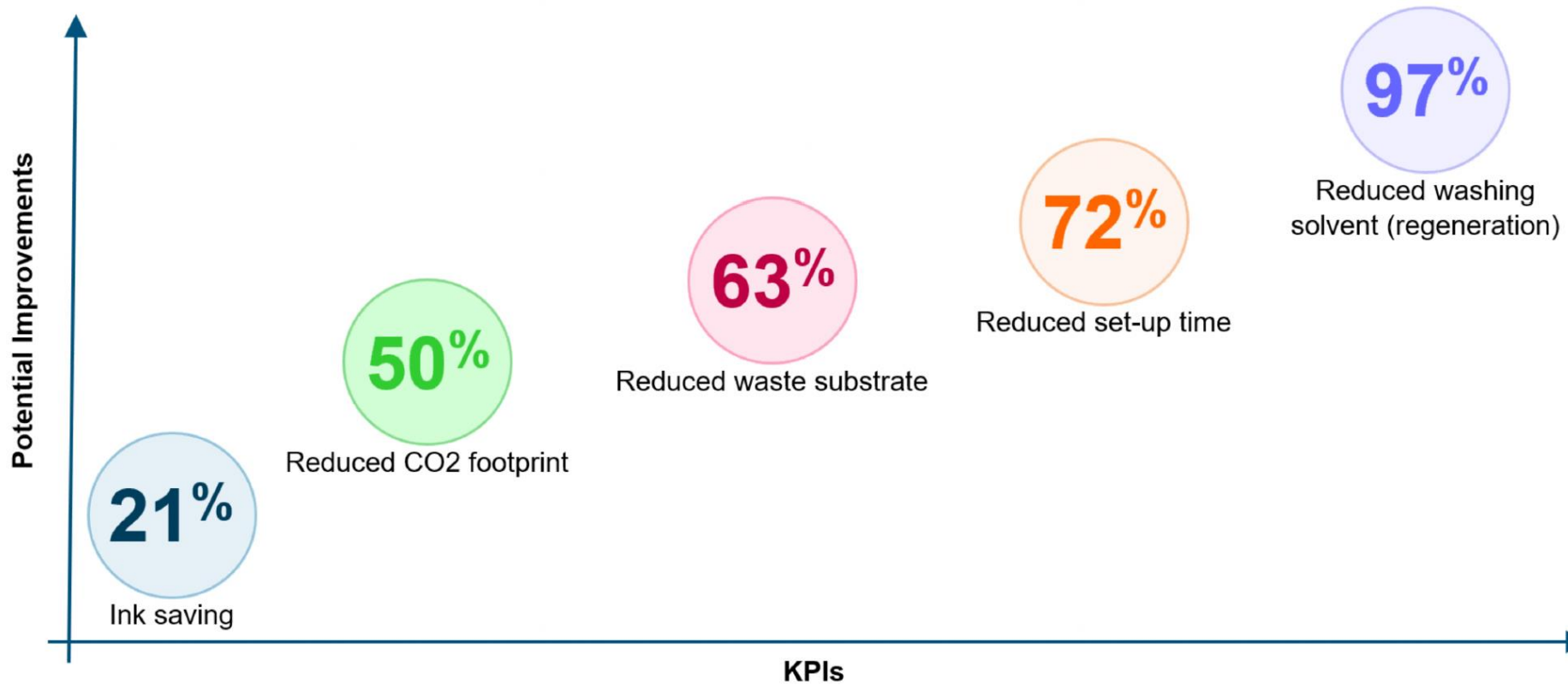
Key benefits of ECG Printing

- Reduced wash-ups, less set-up time, quicker time-to-market
- Reduced materials waste - substrate, inks, solvents
- Less inventory of spot color inks & consumables
- Less press downtimes, higher production capacity





Flexography 7C ECG compare with CMYK+Spot colors



Source: Lankinen, 2021 (PhD thesis: Evaluation of Expanded Gamut Printing in Flexography)
For a wide-web flexographic process with assumption of 50 million meters annual production (3,333 print-jobs), material width of 100cm



High efficiency, low cost for Multi-SKUs jobs

- **CMYK + Spot colors**

- Plates: 42 pieces
- Set up: 7 times
- Spot color ink: 14
- Wash and change: 12 times

- **ECG Printing**

- ✓ Plates: 7 pieces
- ✓ Set up: 1 time
- ✓ Spot color ink: 0
- ✓ Wash and change: 0



**CGS
ORIS**



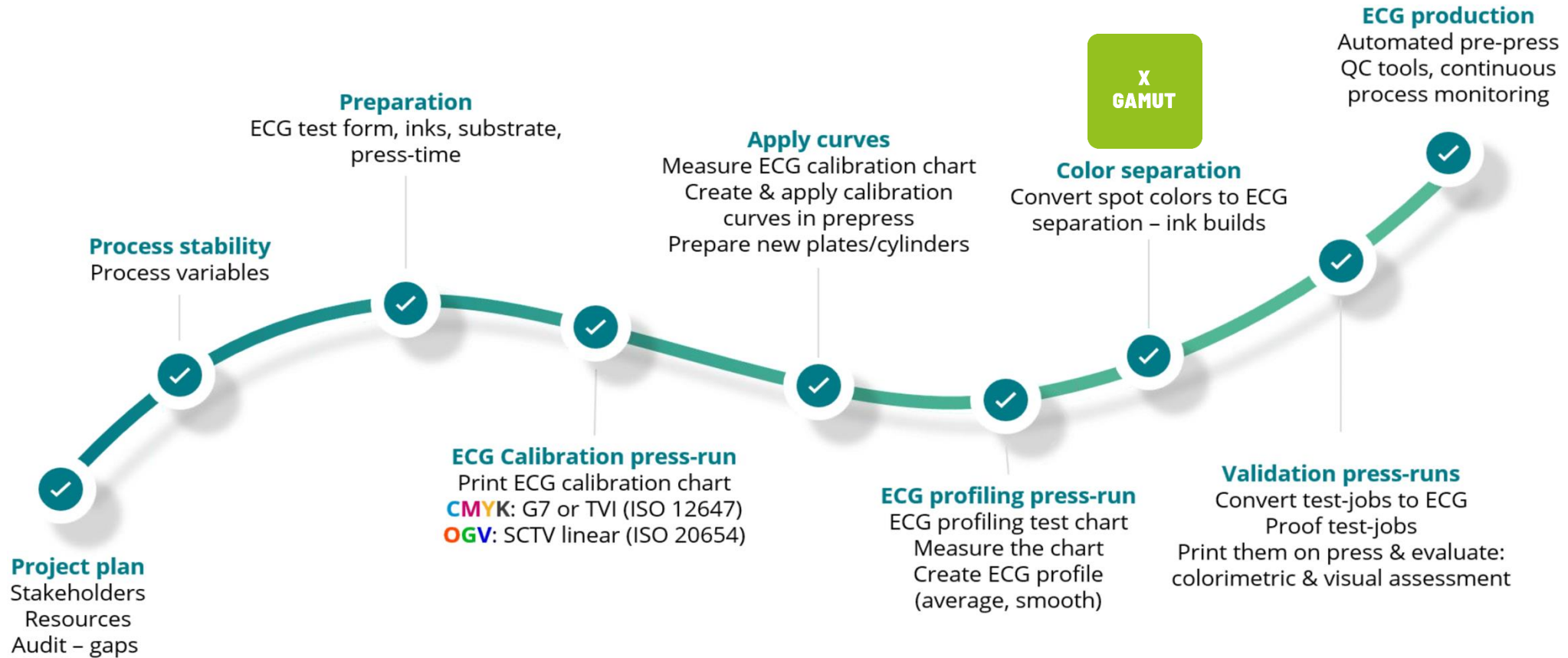
Better Quality



marcus.tang@cgs-oris.com



We help you run ECG printing





Smart Color Solutions for Decor and Packaging!