Ricoh Apparel
Manufacturer's
Partnership
by Universal
Platform



Tetsuya Morita
Industrial Printing
Business Group
November 26th 2019

RICOH's Digital Micro Factory: Sustainable Innovation in the Apparel Industry



1 理光喷墨技术发展愿景



提供 安全 安心

的 衣食住 环境 共同实现高品质社会。

Provide safe and secure printing

for food, clothing, and housing aiming to realize an enriched society.







理光致力于通过喷墨技术去帮助解决社会问题

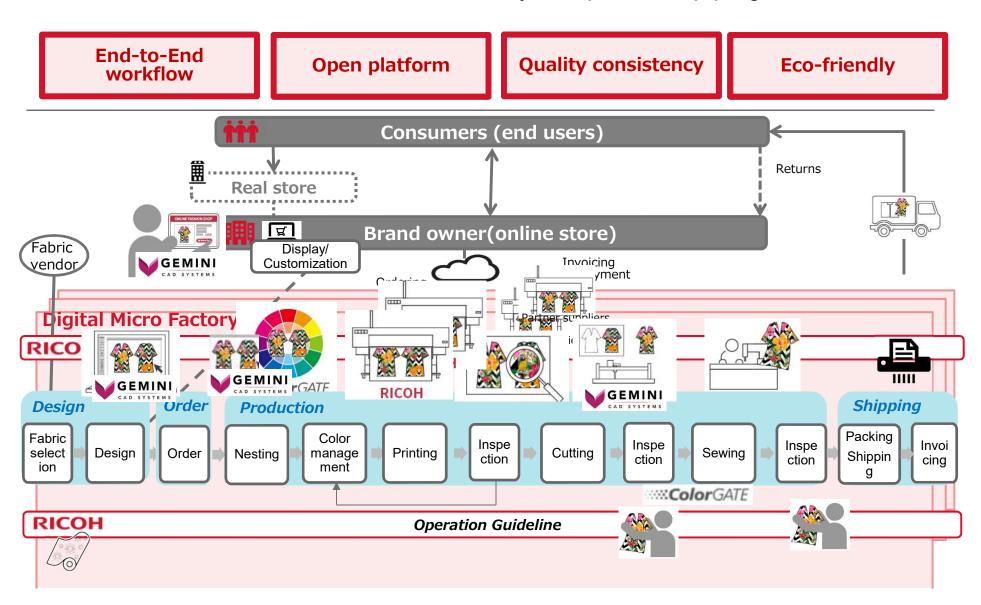
Ricoh's inkjet technology will contribute in resolving social issues



RICOH Apparel Manufacturer's Partnership by Universal Platform



RAMP-UP: Provide smart Textile factory with partnership program



Main features



End-to-End workflow

- ✓ Operate from order to shipping
- ✓ Transform marketing and merchandizing

Open platform

- **✓** Build consortium with partners
- ✓ Connect with any hardware through ColorGATE RIP/Gemini CAD system

Quality consistency

- ✓ Manage color consistency in any condition
- ✓ Provide inspection method with color measurement and process standard

Eco-friendly

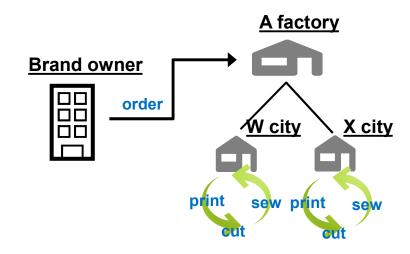
- ✓ Reduce water with water based pigment ink
- ✓ Recommend eco-friendly fabric



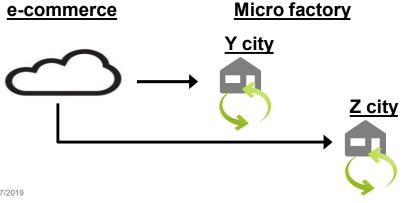
RAMP-UP promotes two kinds eco-systems RICOH



A) Small • Mid size apparel factory



B) E-commerce



Keywords:

- **Open network**
- Cross factories production control, monitoring
- **Color management** between different factories and machines

Brand owner: On-time production tracking

A Factory: Production control/monitor (W and X city)

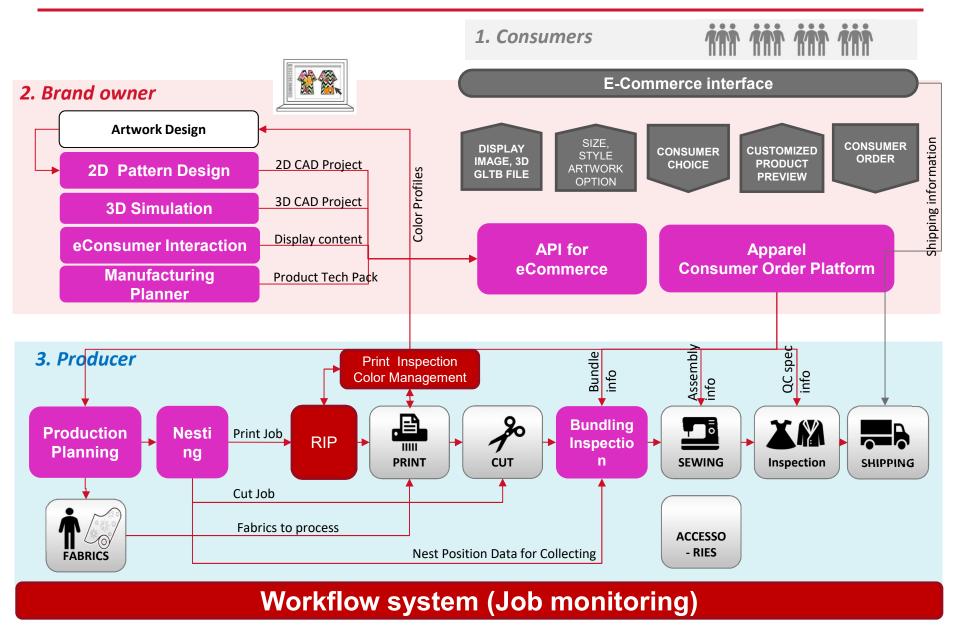
- Process customization
- Color management
- Color inspection

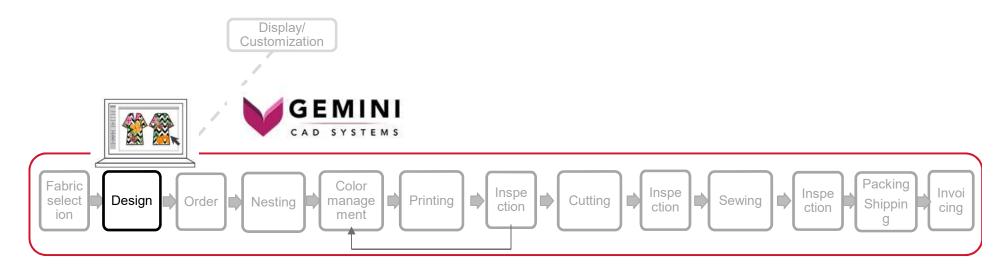
Keywords:

- **Build to order (BTO)**
- **Decentralization = Manufacture near** by order

Micro factory: begin with small investment







- √ 3D simulation
- ✓ Template design

Design



- Create new design easily with 3D simulation
- **■** Provide standard template pattern design

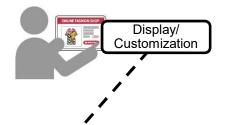




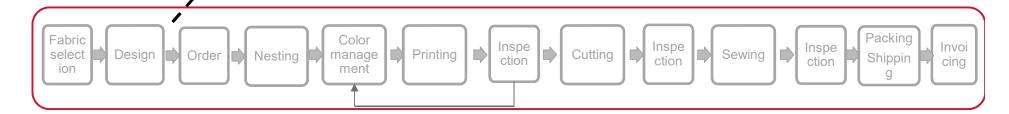
Support on-line shopping







- ✓ Plug into e-commerce shop
- ✓ Clothing sizing
- ✓ Design layout on E-commerce order browser

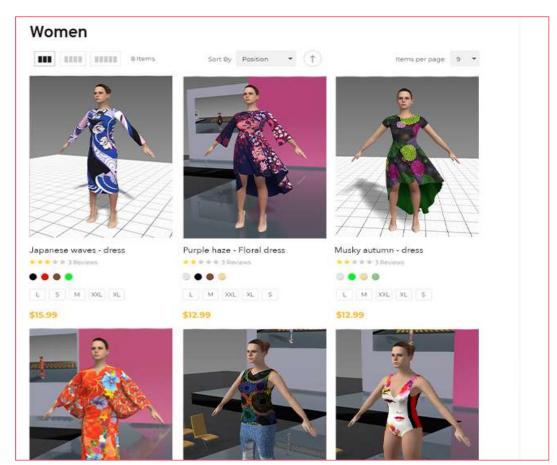


Support on-line shopping





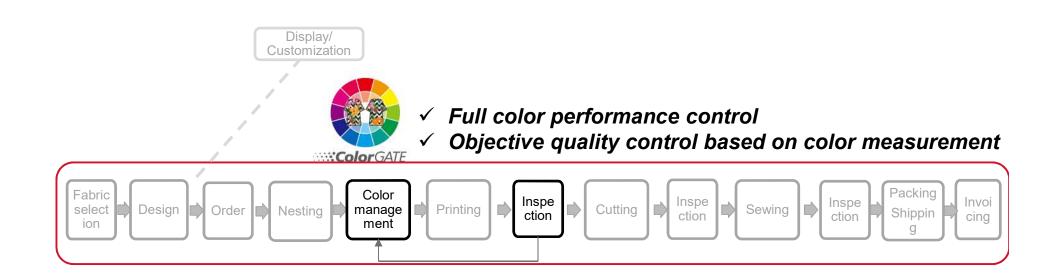
- ✓ Size & layout customization with style selector
- ✓ Virtual fitting
- **→**Lower customer's barrier for online-shopping





Color management & Quality control RICOH





Best-in-class Color Management

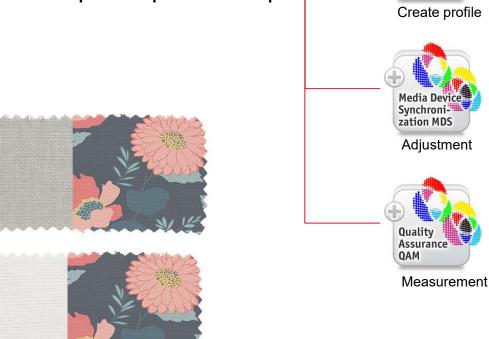


Profiler

Suite PFS

Full color performance control

- Color consistency with wide variety of fabric
- Print control for ink and fabric functionality
- Color consistency between print-to-print / printer-to-printer / factory-to-factory



Management

Tools

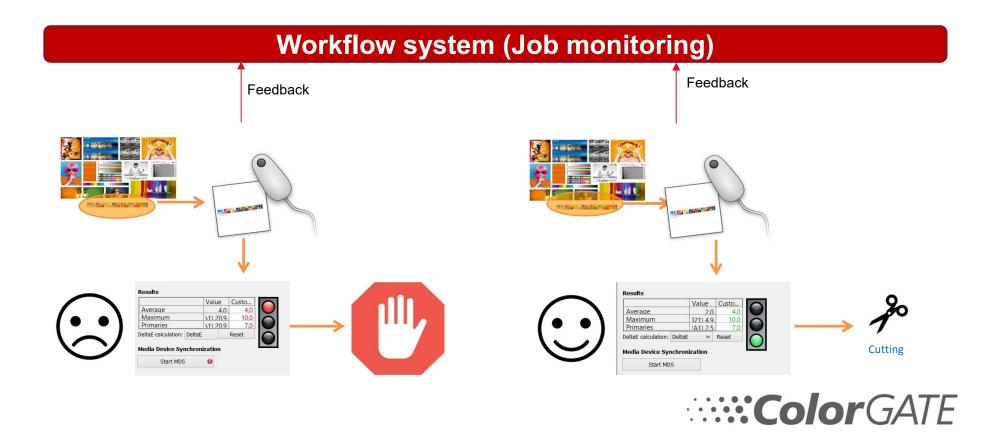


12

Quality control

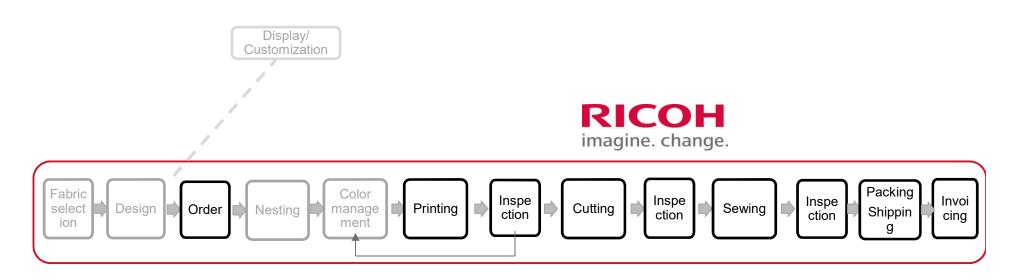


- Objective quality control based on color measurement
- An easy-to-perform procedure with status indicator



Order/Job management





Job tracking info to brand owners and factories



Order/Job management



Job tracking info to brand owners and multiple factories



- Easy to track current progress
- Productivity improvement



- Easy to arrange priority / factory
- Maximize productivity of machine / facility





Benefit of Partnership



Let's build partnership and make it innovative!

	Player	Role of partnership	Benefit	
4	E-commerce shop /Brand owner	Put order to platform	Change merchandizing/supply chain Eco-friendly branding	
	Fabric vendor	Provide sustainable fabric	Shit to high-value sustainable products	
4	Designer (template pattern)	Provide template design Provide original design	Sell template design to producer Sell original design brand	
4	Producer (DMF)	Produce cloths (Print, Cutting, Sawing and Inspection)	Expand high-value apparel job (Variable design, Low cost, Short run and Quick delivery, etc.)	
4	Printer vendor	Connect with ColorGATE RIP	Acquire new customer/Gain supply business	
	Cutting machine supplier	Connect with Gemini CAD	Acquire new customer	
	Software supplier	Provide specific additional SW	Synergy with other SW	

Milestone



- ✓ We announce the business concept & the consortium members as of today. We will start the proof of concept stage from 2020 1Q.
- ✓ A real commercial base business will start from 2020 3Q.

項目	2019 4Q	2020 1Q	2Q	3Q
Concept announcement	11/26			
Consortium member entry	•			
β I test (workflow + Ricoh printer)				
β II test (workflow + 3 rd party machines)				
Commercial base business				—





杭州1949設計公社 (Hangzhou 1949 Design Commune)





杭州点石服装 有限公司 (Hangzhou Dianshi Clothing Co., Ltd.)











谢谢

Contact us (English) https://webform.ricoh.com/form/pub/e00127/dmf_support

联系我们 (中文) www.ricoh.com.cn/ShanghaiTEX DMF ContactForm

