

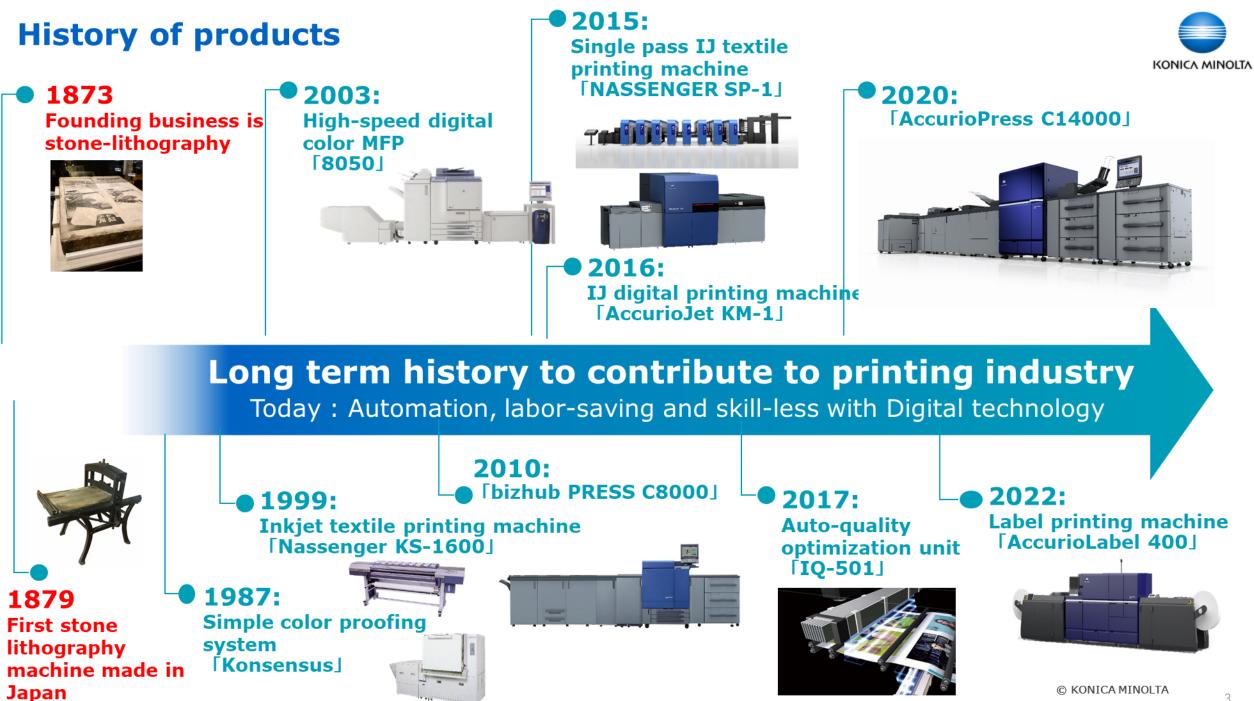
PRINT BUSINESSES NEED TO BE SUSTAINABLE

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Agenda

- **1. Introduction**
- 2. Disadvantages of mass production
- 3. Sustainable print usage and supply chain
- 4. Challenges in today's print supply chain
- **5. Necessary approach**
- **6. Example of DX in the industry**



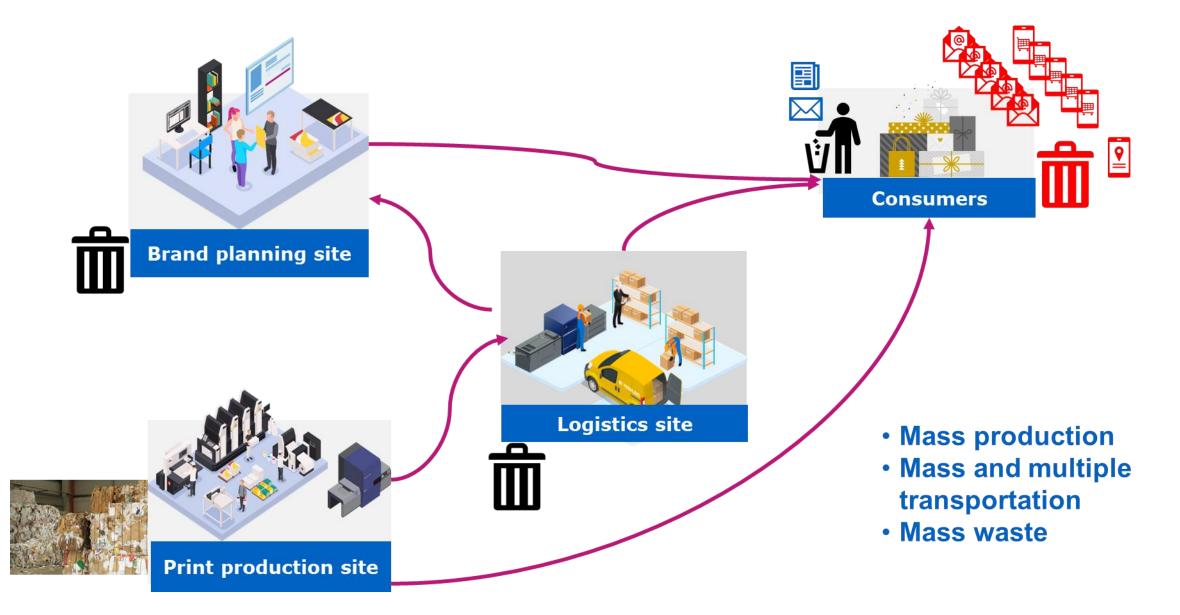


Print has important role in our life





But, today's print supply chain is not sustainable.





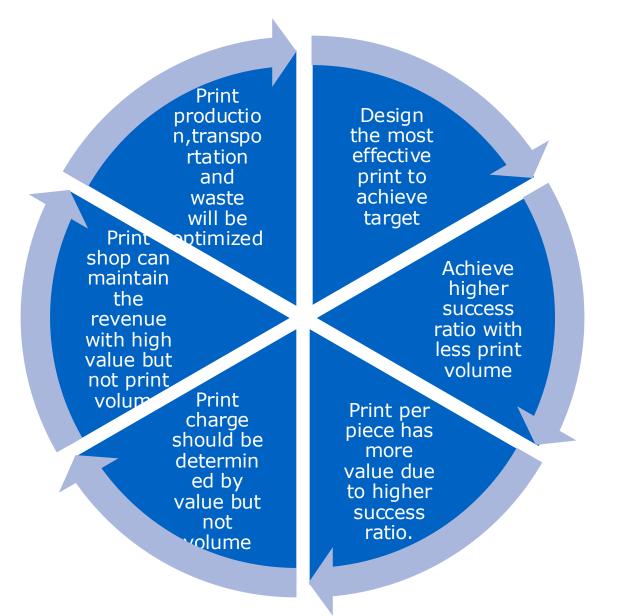
Disadvantages of mass production, transportation and waste



Printing company	 Keeping surplus capacity Buying surplus materials such as paper, ink and others Keeping surplus space to store the materials and prints Difficulties to keep the skilled staff
Brand	 Buying surplus prints even if they do not use Response ratio is still too low even if they send the prints to their clients
Consumer	 Receiving many email and SMS message regardless his interest Receiving the prints which is out of his interest Need to throw away without reading
Society	 Multiple transportation for unnecessary prints cause CO2 emission Many waste at printing company during print production

What will be the sustainable print supply chain





Good for all stakeholders with ideal print supply chain



Many printers invested in digital printers, but challenges are not limited in the production.

Brand Owner (Buyer)

Better to have same result with fewer print sent. It helps to minimize transportation cost and waste.

Printing company (Seller)

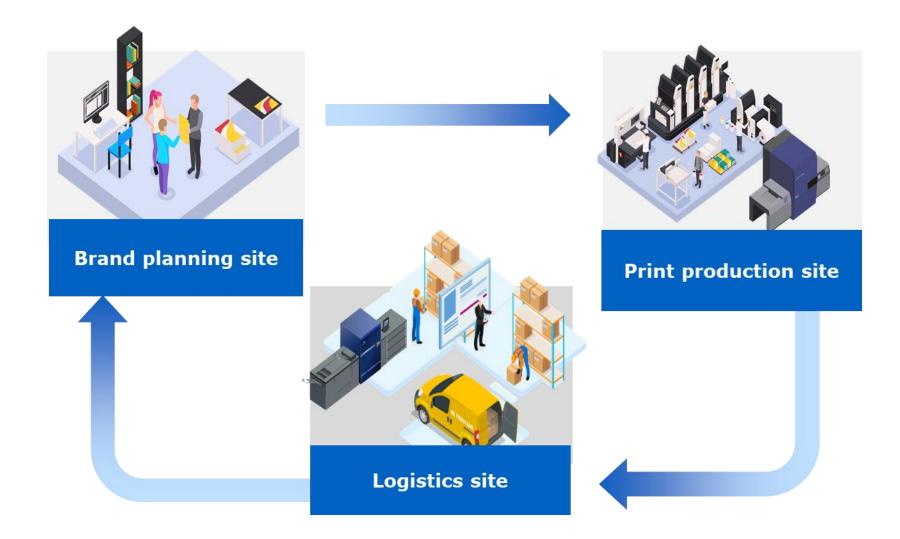
Better to have the same revenue with fewer print volume. It helps to minimize material purchasing and manage the shortage of labor. It make better cashflow.

Society

Better to minimize the transportation and waste for environment

Sanpou Yoshi(=Good for three stakeholders)





Many challenges and necessary actions



	Challenges	Necessary action
Brand	 Does not have enough knowledge to utilize the effective print? CRM need to be cleansed 	 Providing the effective usage of digital print such as personalize, region and version. Help the client to clean the CRM to be utilized for personalized communication.
Printing site	 Digital print is used as a cost-effective solution just for short-run job. Limited knowledge to increase the value of print. No staff to shift the business model from price per piece to price per value. 	 Capability to propose effective print Capability to produce effective print on demand Capability to change the business model and commercial practice.
Logistic site	 Difficult to allocate additional work for personalized print Mail and delivery cost is higher due to the labor shortage and high energy 	 Provide easy solution to eliminate complicated work. Utilize e-commerce packet to eliminate the cost of print only delivery Utilize warehouse as additional print service site.



Purpose to make print business sustainable

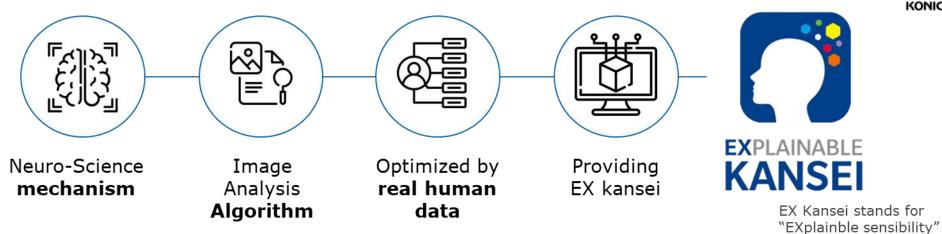
Why	We exist in society	PURPOSE	Realizing better communication and better society through the power of digital printing
Where	we are aiming	VISION	We establish on-demand supply chains, shifting from analog to digital printing (Printing supply chain evolution)
What	we should do	MISSION	We provide effective digital printing solutions based on the perspectives of printing companies and brand owners
How	We realize	STRATEGY / TACTICS	We pursue technology & product development and go-to-market with strong passion based on the customer perspective in order to switch from analog to digital printing to become the top position in the business field



Case study

- **1. Increase the power of print**
- 2. Eliminate barrier to utilize effective personalized print
- **3. DX in print business**





It's **transparent model, not black box**. So, we can **explain** it. Applicable for **videos**, making it possible to quantify elements like **varnish or foil shine in a retail setting**, for example.

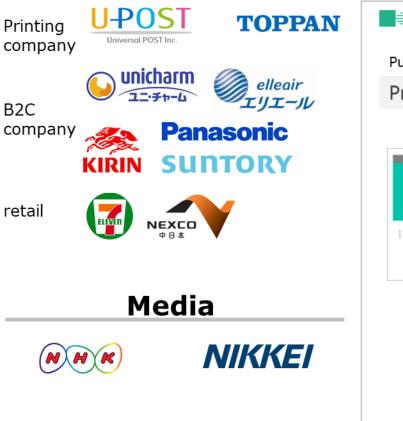


It utilizes human cognition mechanisms. It applicable to any medium without constraints.





Clients/ Over 100 cases





Publishing and Printing company Proposal acquisition



Design Proposal for competitions, etc. with powerful evidence.



Detail Cases

SUNTORY

beverage company

Beer Packaging Design Decisions

Validate with EXkansei whether the **new design approach to package is correct or not.**



Sales are **1.3 times** higher than planned, driven by flavor, concept, and marketing, with design likely playing a key role as well.





Evolution by leveraging informati on from customer touchpoints

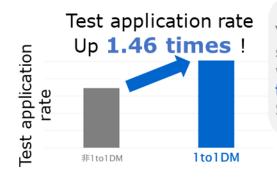
1. Challenge before co-creation

 \checkmark The school want to increase applicants of nationwide exams with their students. They used DM to beverage several touchpoints with clients.

2. Trigger for engaging in co-creation

✓ The school wanted to deliver different message to each students because characteristics vary between 42 schools in the Tokyo metropolitan area.1to1 tailored message to students and parerent were very effective.

3. Outcome and future prospect



"As for the early-grade students, it was surprising to see that the 1to1 campaign made a big difference, with an **increased** test application rate **by 1.46 times** compared to DM with static content. (Mr. Shimomura, Nichinoken)



Verified the effectiveness of the 1to1 DM showing appreciation to every student's action



Rediscover the value of 'paper' in customer nurturing

1to1 DM that boosted membership registrations for the coupon service **4.8** times

Takahiro Sato Takeaki Enomoto MEC DESIGN **INTERNATIONAL** CORP.

#ltolDM #BtoC #Customer nurturing

登録するだけでずっと無料で

使えるお得なクーポンです

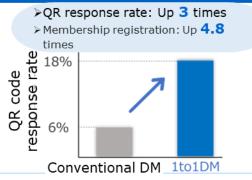
1. Challenge before co-creation

The company was seeking a fundamental and effective way of customer nurturing that differs from just providing coupons or aifts.

2. Trigger for engaging in co-creation

 \checkmark Believing in the power of paper, the company found it attractive to be able to verify the effectiveness of paper -digital-mixed marketing (1to1DM). We put the photo of interior with clients condo's image,

3. Outcome and future prospect



"I used to think that DX is to introduce new smart system for improvement. But I've learned that we can start DX from ground work tenaciously." (Mr. Enomoto)



約60ブランド、400店舗以上の インテリアショップで使えます。 専用WEBサイトにアクセス。 会員登録後にキャンペーンコード ●●●●」を入力ください。 【掲載ショップー例】 掲載ショップロゴ 【 アンケート 】 ご協力のお願い 二次元コードを読み取り、下記IDとパスワー を入力し、ご回答をお願いいたします。 QR ID. ■バスワード:●●●● アンケートに回答いただく際のご留意点・お問い合わせについて ●アンケートへご回答いただくにあたりご提供いただくお客様の個人情報(お名前、メールアドレス)は、関係法令者 遵守し、適正に取り扱うとともに、個人情報の保護の徹底に努めます。

Hosing

Interior

ロゴ

Verified the effectiveness of the 1to1 DM aimed at boosting the membership registrations for the interior coupon service



Customers are happy with inserted flyers ! Product sales are up, too !

Ippei Yoshida Food Akiko Yoshida Taichi Sawamura **Tuscany, Inc.** E-commerce #1to1 packing #BtoC #Subscri ption

1. Challenge before co-creation

As some customers wanted to have detailed information on the purchased wines, the company wanted to put the information's.

2. Trigger for engaging in co-creation

✓ The company hoped that the co-creation project would enable the company to proceed with the processes from flyer creation to inserting while minimizing additional work at the warehouse.

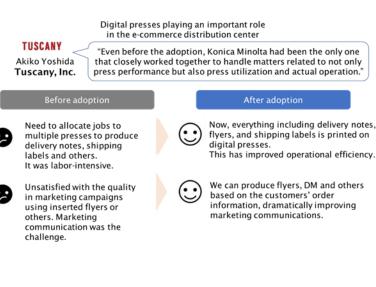
3. Outcome and future prospect

Promotional campaigns enabled the company to get new order and positive recommendation



"As the biggest benefit of the value co-creation with Konica Minolta, we were able to create value with an eye on the entire business including marketing campaigns as well as to expand our printing capabilities"







	Before	After
Print only transportation	Once	Zero
Waste	Many	Almost Zero
Kitting work for print	For each packet	Zero
SNS evaluation	Good	Excellent
Print cost		30% reduction



Frozen dish delivery & Logistics & Personalized flyer

●●●● ^{商品管理、流通加工、物流のブロ} 株式会社 アイズ

1. Challenge before co-creation

✓ Wanted to insert personalized flyers when shipping frozen side dishes but hesitated to do it due to a concern over possible complexity of the logistics workflow.

2. Trigger for engaging in co-creation

The company fully agreed to the co-creation project that encompasses the entire supply chains including a logistics firm to deliver personalized flyers leveraging customer data.

3. Outcome and future prospect



"Surprised to see personalization has made a distinct difference. It also proved to be effective in customer retention."

"High expectation for delivering new value to shipping companies."



Yuji Kishimoto, Hiroyuki Kanazawa Inglewood, Inc. Yuki Okada Yusuke Tateishi iii-s Co.,Ltd. Hito1 packing #BtoC #Subscri ption



Verified the effectiveness of the inserted 1to1(one-to-one) flyers through AB testing



Today : Digitalization in Printing industry

In most case, Digital print is used as production method for short run.

Need Digital Transformation

It is a strategy of enabling **business innovation. DX is defined as the act of transforming businesses digitally from end to end** – from operations to infrastructure, together technology, processes and people.



We believe the power of digital print. Need to innovate the print business with DX.

Innovated print business model can avoid mass production, transportation and waste.

As a result, we can realize better supply chain and make the print business more sustainable.

