



WhatTheyTh!nk

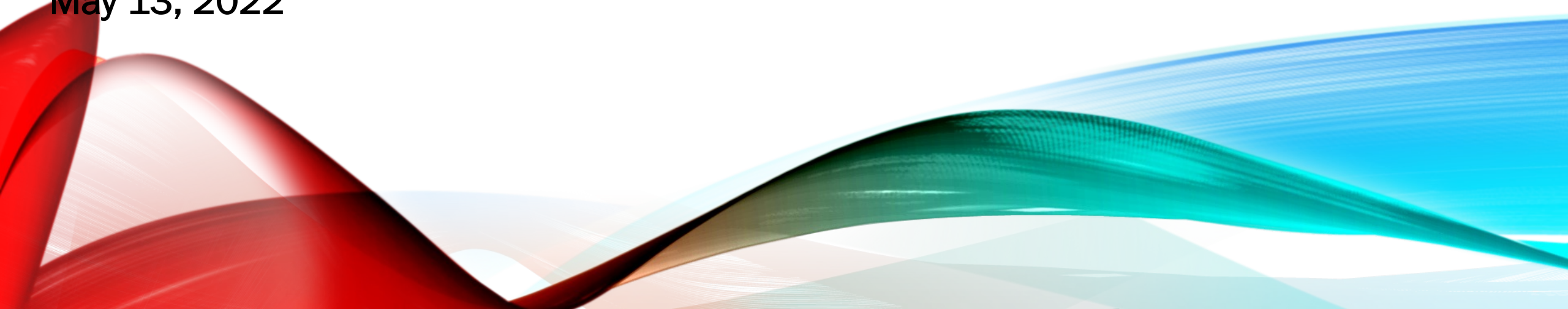
Technology Outlook Week

LunchNLearn Webinar Series

PACKAGING IS ESSENTIAL AND TRANSFORMING

David Zwang

May 13, 2022



GET THE MOST OUT OF THIS WEBINAR...

- Send us your questions during the webinar
 - Use the Q&A box instead of Chat box to ask questions
- Video and audio archive will be available later today along with PDF of slides

Digital Label & Packaging Production with HP Indigo

Support pressure sensitive, shrink sleeves, IML, flexible packaging, laminate tubes and more with our proven end-to-end print and converting solutions



Pressure sensitive



Shrink sleeves



Wrap-around



Wet Glue



Flexible Packaging



In Mold (IML)



Folding Cartons



Laminate Tubes



Tags



PACKAGING IS ESSENTIAL AND TRANSFORMING

Market Challenges

- Consumer purchasing shifts
- Supply Chain
- Regional Conflict

Regulations

- Chain of Custody
- Food Contact
- Sustainability

Productivity

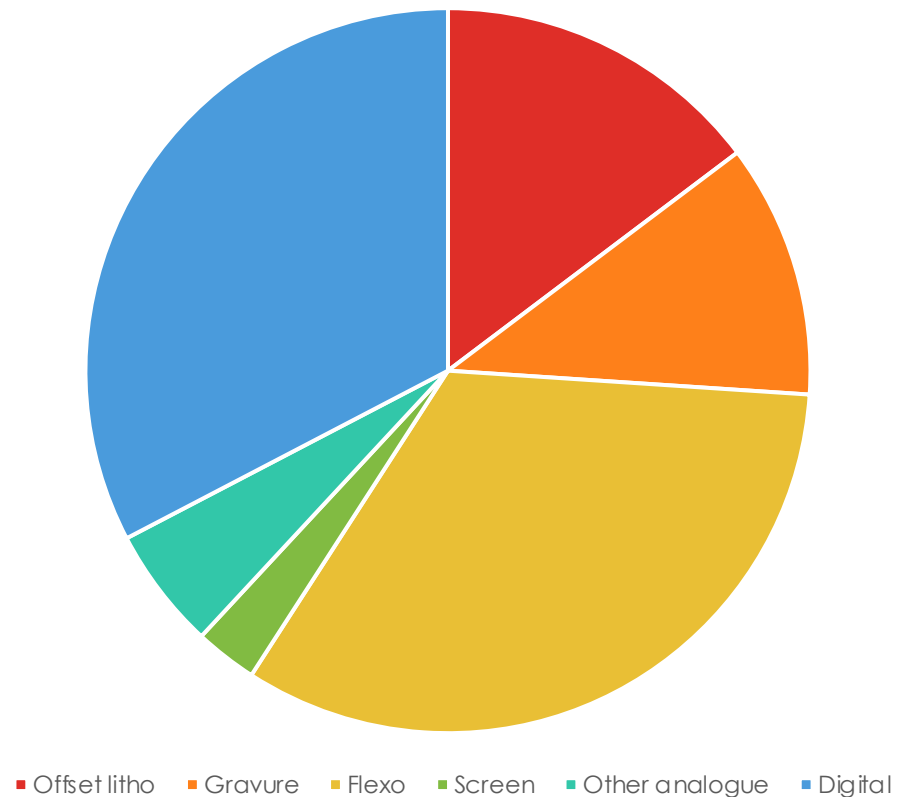
- Time to Market
- Shorter Runs
- Product Lifecycle

Cost

LABELS

Projected Global Growth 13.41% 2022 - 2027

Relative Label Growth Rates by Technology





© Omet



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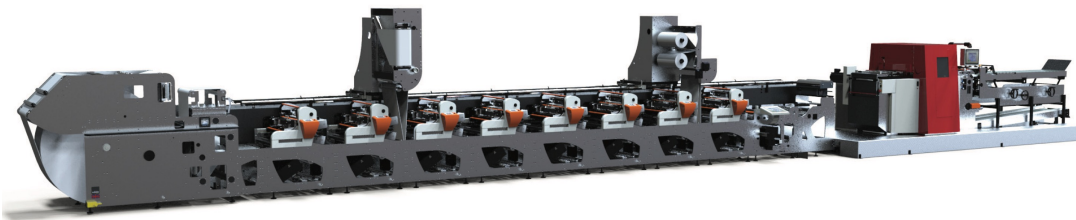
FLEXO



© Mark Andy



© Bobst



© Edale



© Soma

LABELS INKJET – HYBRID/ALL IN ONE



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LABELS - EP



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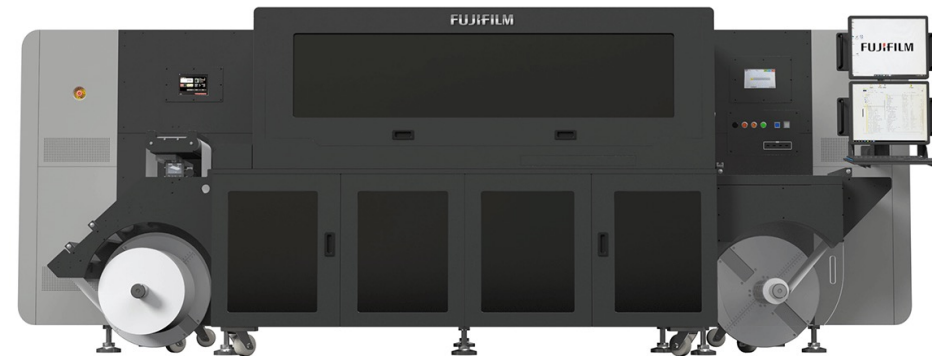
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ZWANG &
COMPANY

LABELS - INKJET



© Epson



© Fujifilm

WhatTheyThink!

LABELS – HIGH PERFORMANCE EP

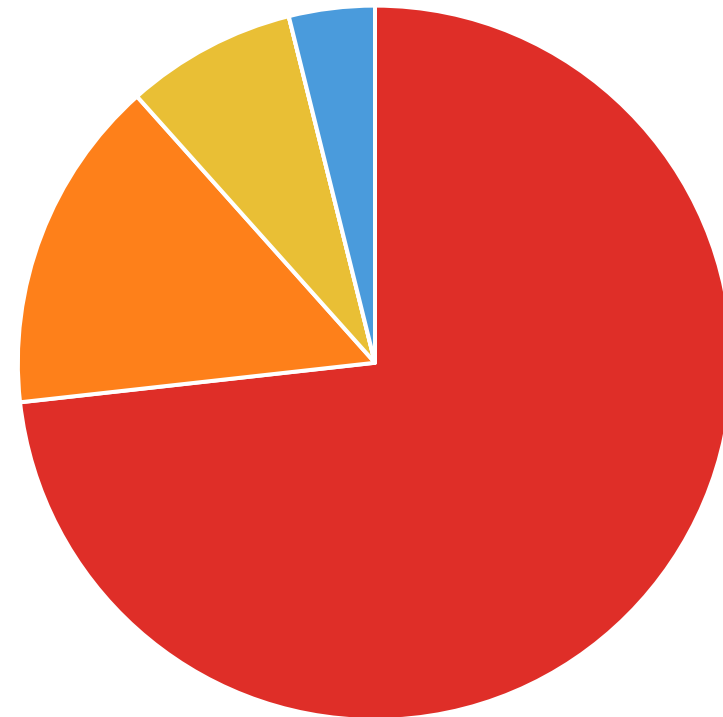


HP Indigo V12 – 70 mpm (230 fpm) with 6 colors

CARTON

Projected Global Growth 14.38% 2022 - 2027

Relative Carton Growth Rates by Technology



■ Offset litho ■ Gravure ■ Flexo ■ Screen ■ Other analogue ■ Digital

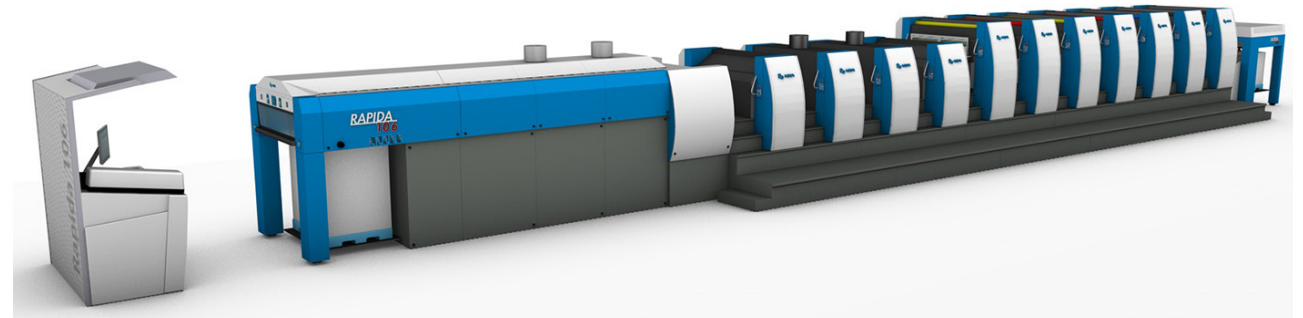
Source: Smithers

In constant 2020 prices and exchange rates

FOLDING CARTON OFFSET



© Heidelberg



© KBA



© Komori

FOLDING CARTON EP



© Canon

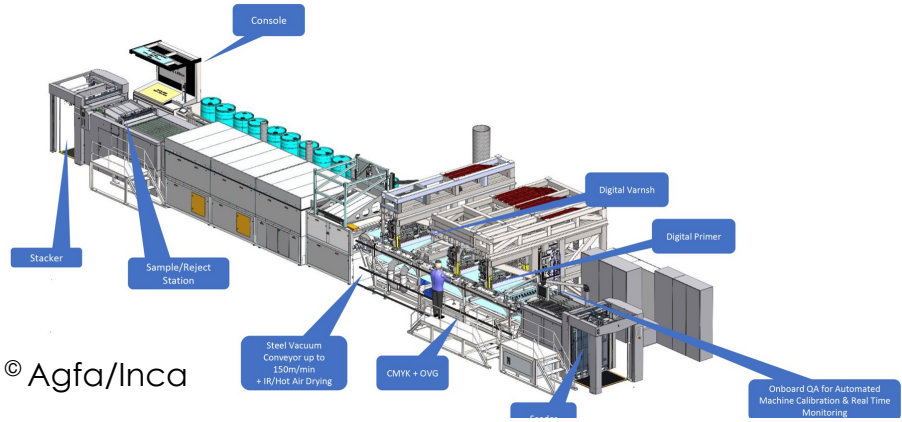


© HP Indigo



© Kodak

FOLDING CARTON - INKJET



© Agfa/Inca



© Landa



© Kodak

ZWANG & COMPANY



© KBA Durst



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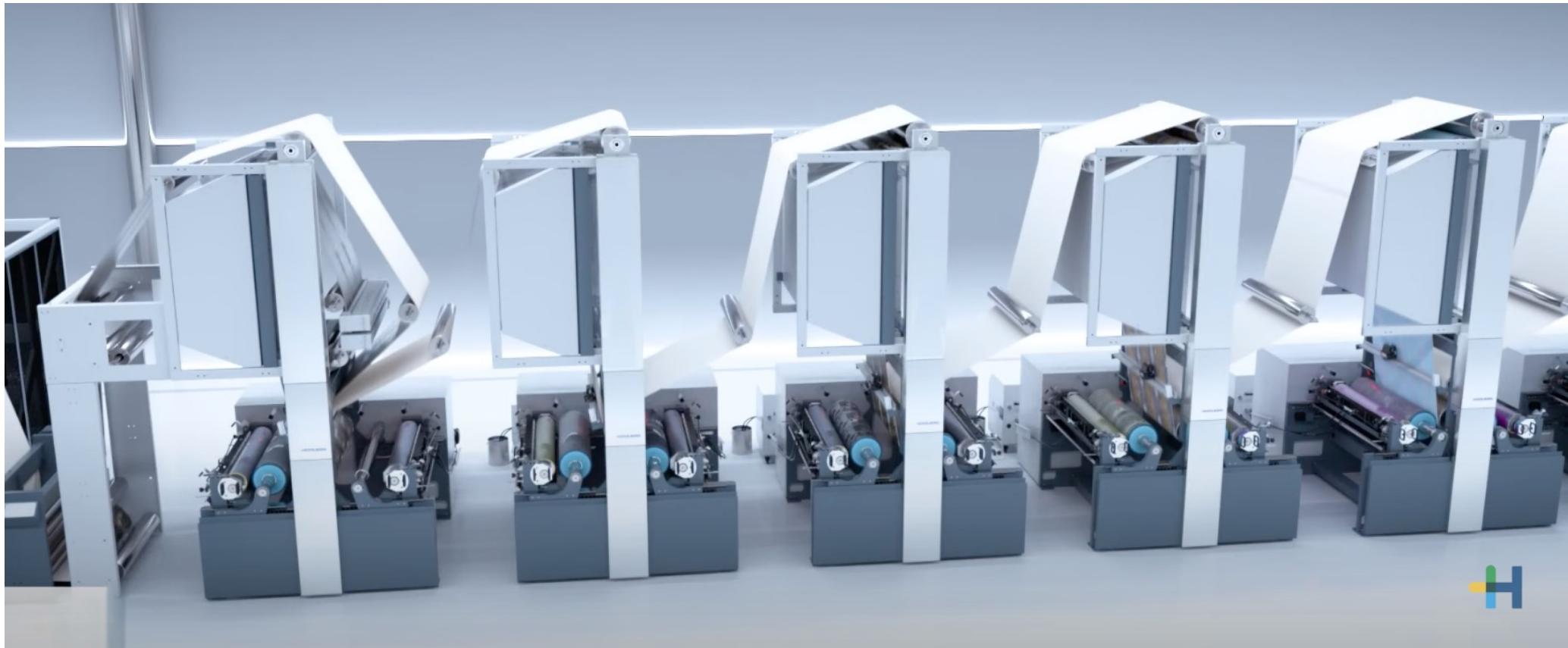
WhatTheyThink!

MGI ALPHAJET



RICOH Z75 (DRAGON)

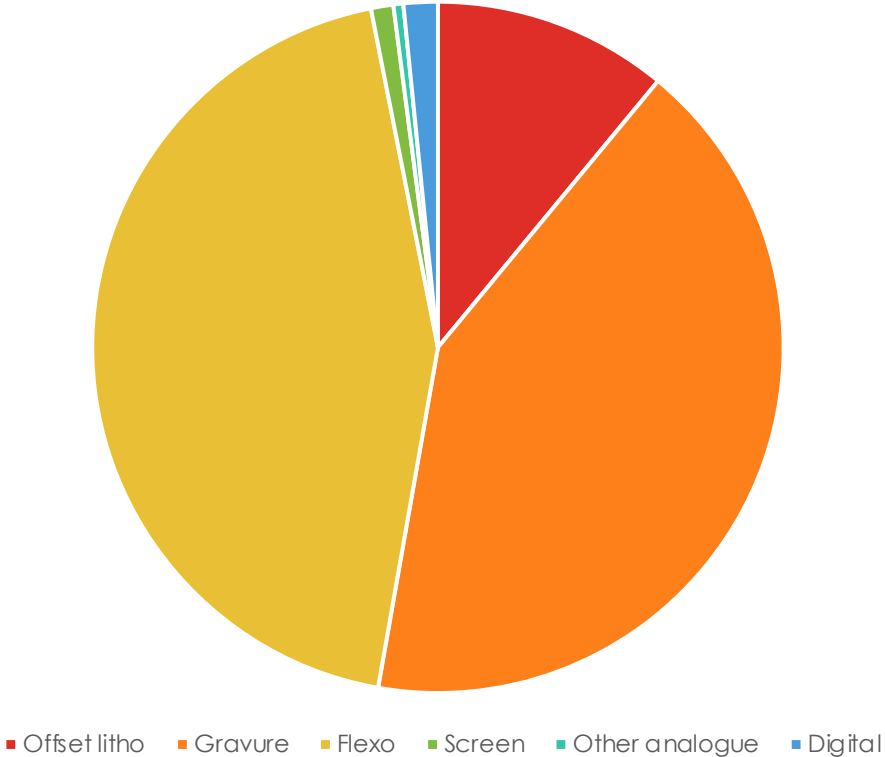




FLEXIBLE PACKAGING

Projected Global Growth 17.80% 2022 - 2027

Relative Flexible Packaging Growth Rates by Technology



FLEXIBLE PACKAGING



© Miyakoshi



© Screen



© HP



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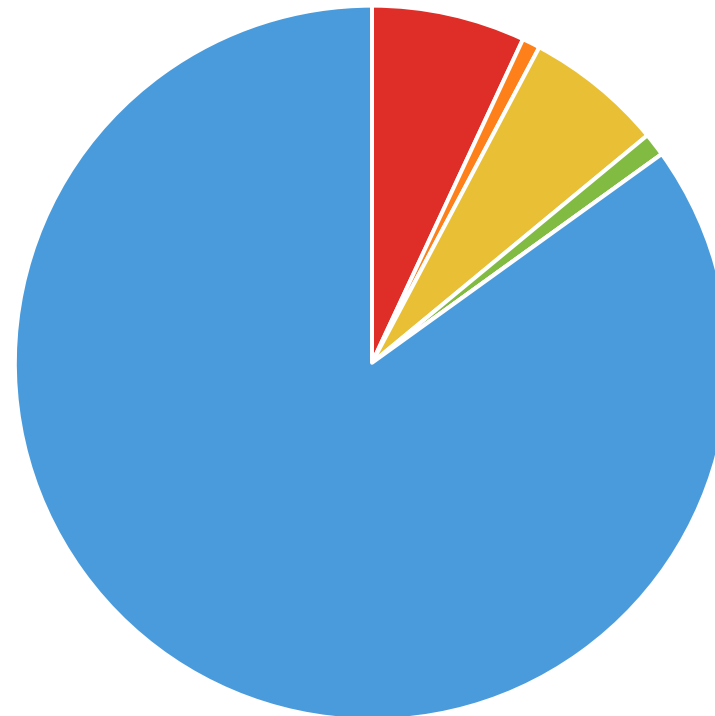


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CORRUGATED

Projected Global Growth 13.79% 2022 - 2027

Relative Corrugated Growth Rates by Technology



■ Offset litho ■ Gravure ■ Flexo ■ Screen ■ Other analogue ■ Digital

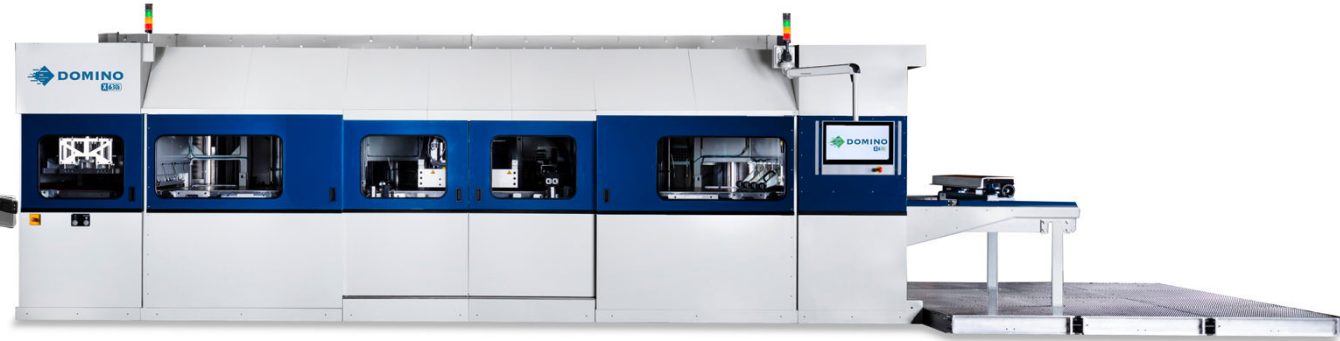
Source: Smithers

In constant 2020 prices and exchange rates

CORRUGATED POSTPRINT - INKJET



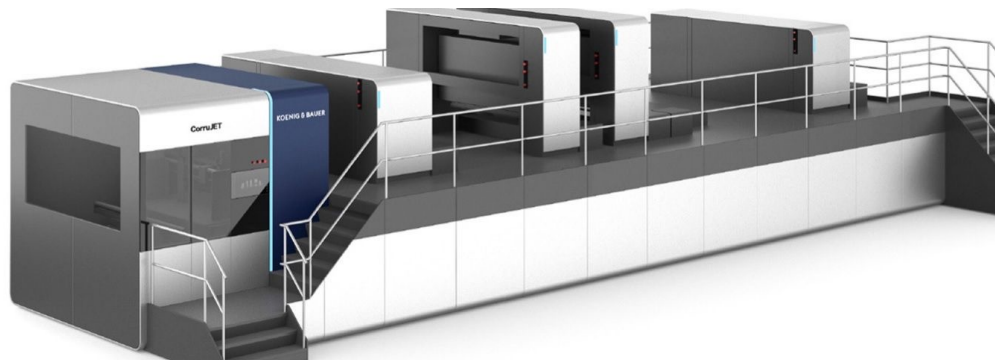
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© HP



© Koenig & Bauer



© EFI

Differentiate Your Company & Improve Profits

TRUE Digital Finishing Solutions

- Laser Cutting, Perforating, Micro-Perforating and Variable Marking
- Labels and Stickers, Flexible Packaging and Folding Cartons
- Multiple Substrates
- Digital Workflows
- Customized Configurations



Packmaster



Labelmaster



Paperone



Samples & Demo
matik.com/sei

matik
Move Forward

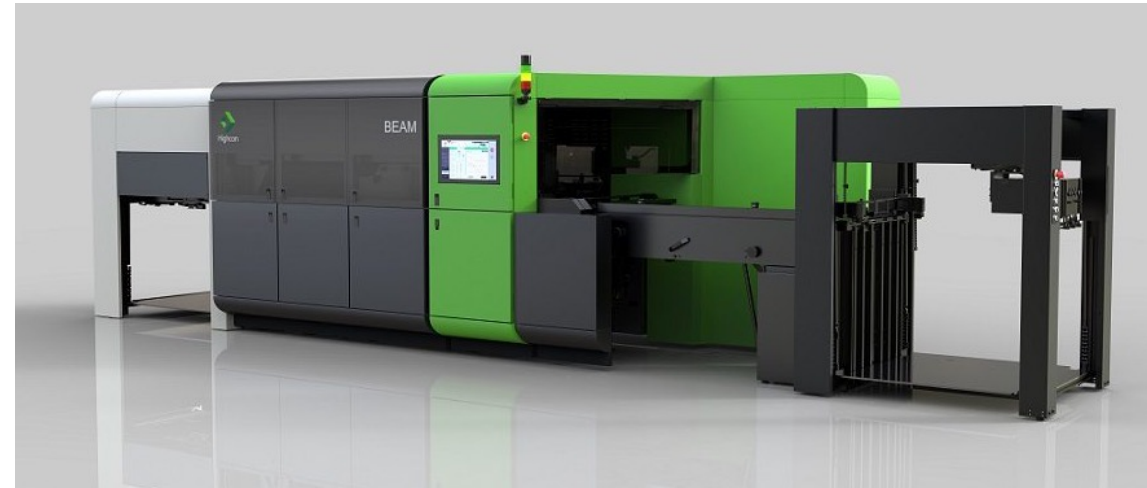
FINISHING THE PRODUCT



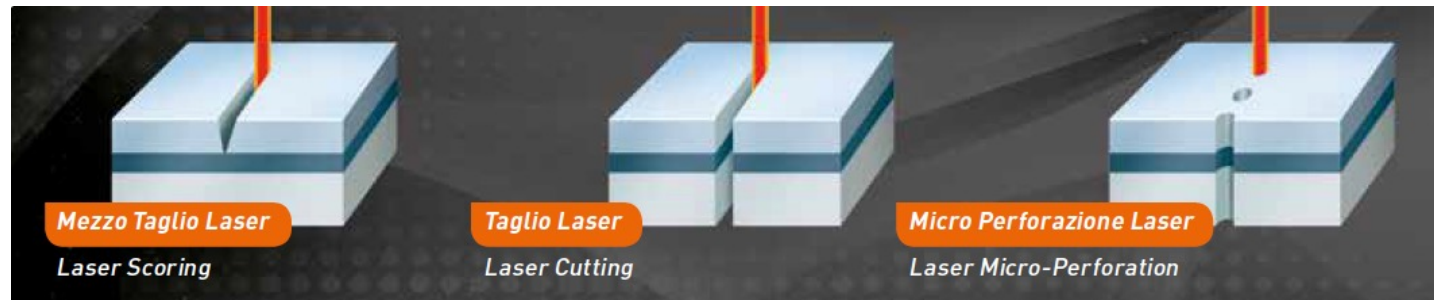
LASER FINISHING



© sei



© Highcon



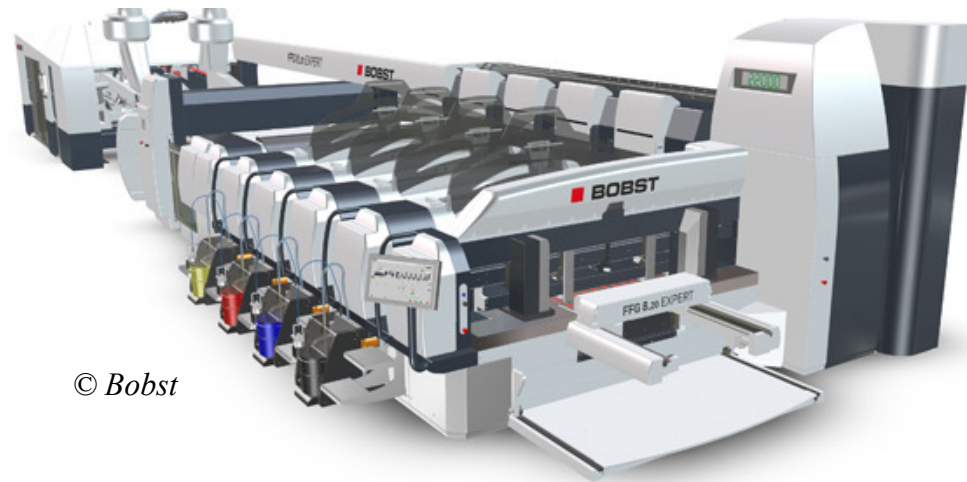


EMBELLISHMENT AND...

© Scodix



Robots



© Bobst



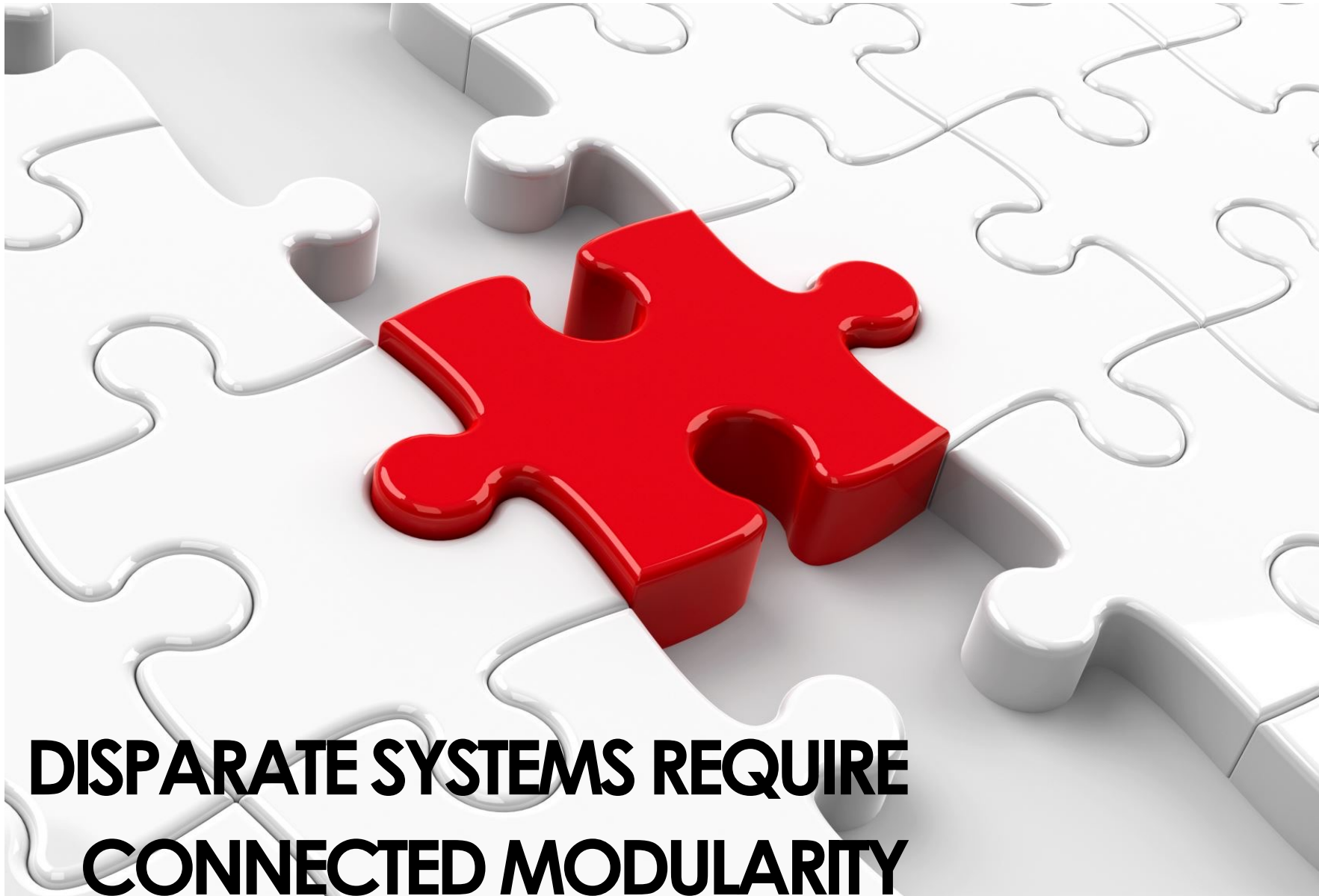
© Actega SIGNITE



© ABG

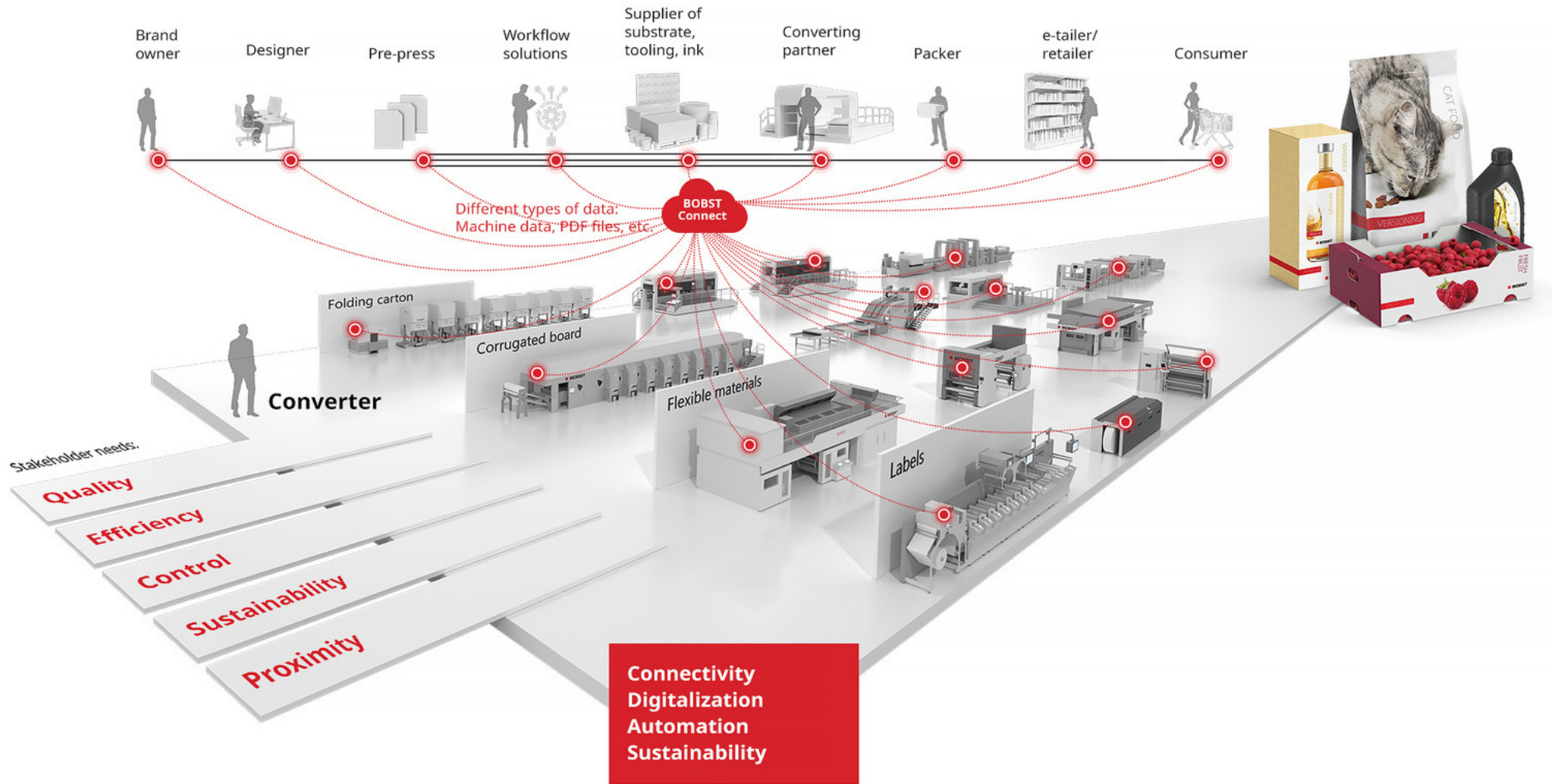
CONNECTING THE DOTS



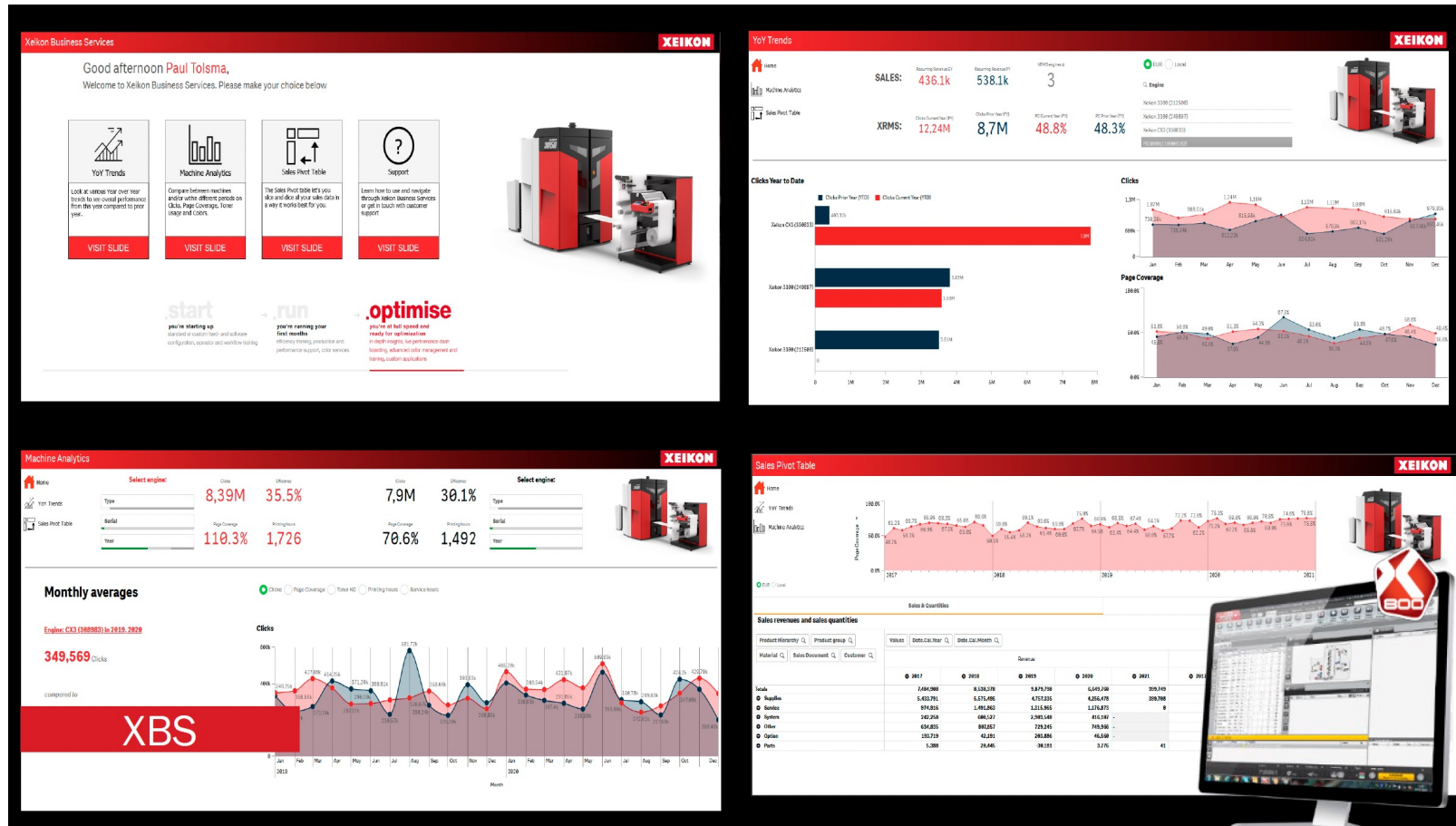


**DISPARATE SYSTEMS REQUIRE
CONNECTED MODULARITY**

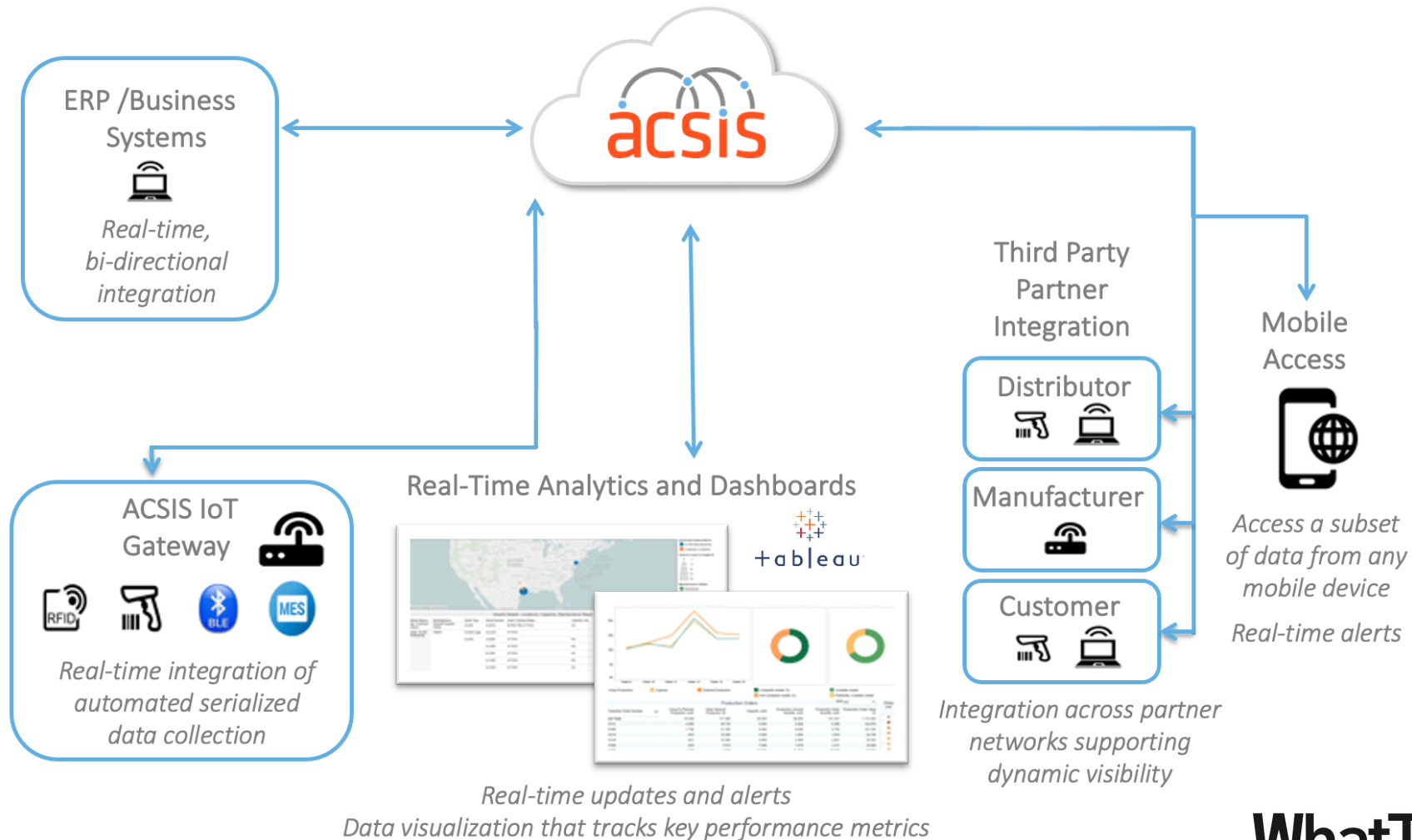
INDUSTRY 4.0



MACHINE LEARNING; INFORMATION ASSISTANCE



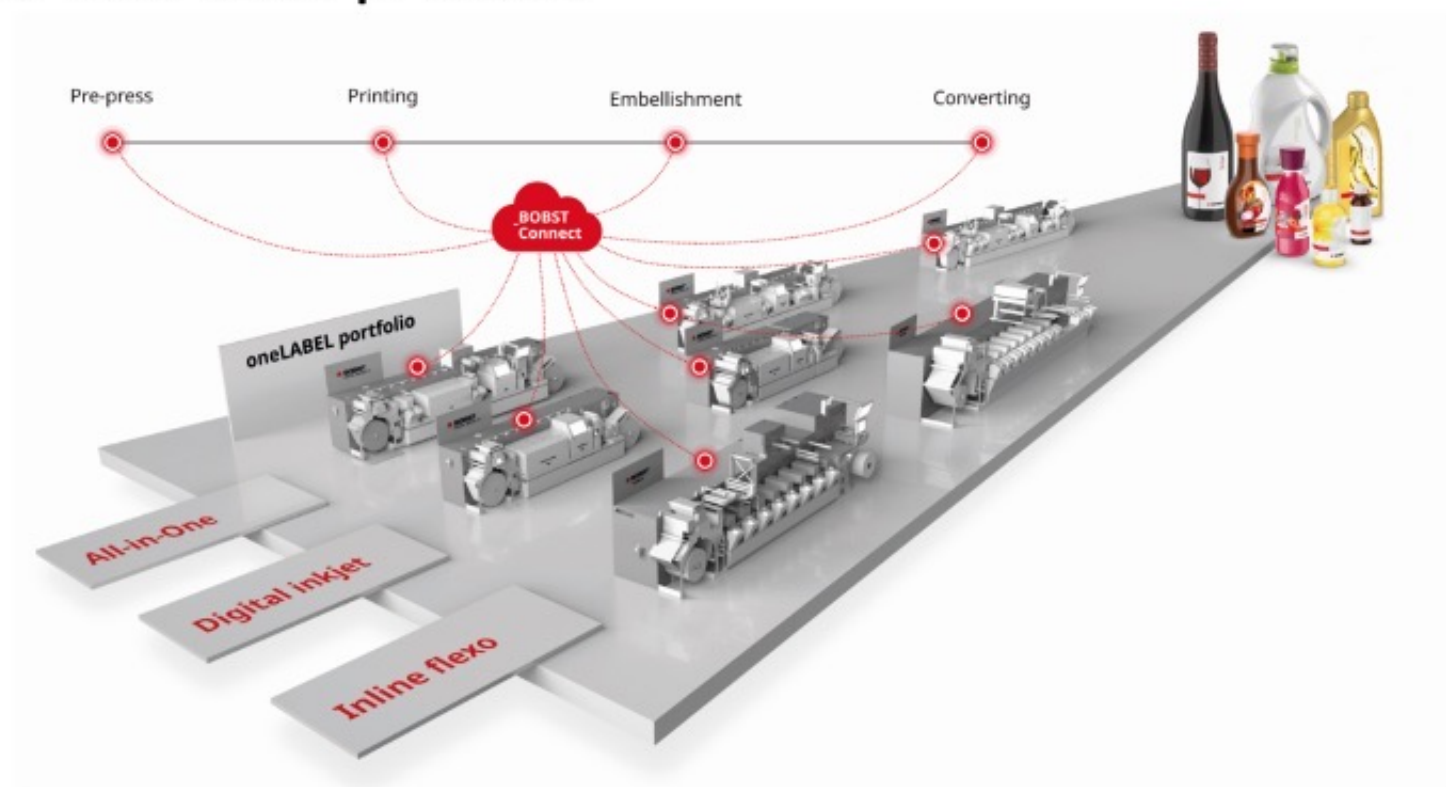
CONNECTED SUPPLY CHAIN - 14.0



BOBST oneLABEL Portfolio

Shaping the future of narrow and mid-web printers

- Cover the **entire production steps**
From the PDF to the final labels
- A **multi-technology** portfolio
Print, Embellish, Convert
- Apply the **130 years of experience**
from other industries
 - Leverage knowledge for ease of use products
- Develop **technology** driven products
- Enhance production with **automation** for today's changing workforce
 - Technology driven vs print setters



Q&A

Send us your
questions!

UPCOMING WEBINARS

- Technology Outlook Continues Next Week!
 - Tuesday, May 17—Wide-Format & Signage and Textiles & Apparel w/Richard Romano and Cary Sherburne
 - Thursday, May 15—Finishing w/Trish Witkowski
- Top 100 Small Printers
 - Wednesday, June 22 w/Richard Romano and this year's winner (TBD)

All times at 1 pm ET

- For more information and to register visit whattheythink.com/webinars



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