

# The Concept design of web Conveyor for printing

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**Y.Masakawa**  
**New Next Corporation**

# Basic concept

## u Simple

- Web control
  - » Only one master (All others are slave)
  - » Minimum devices (No tension gage, no buffer, no speed controller except Master)
  - » Appropriate Specifications (Bear necessity)

## u Machine accuracy

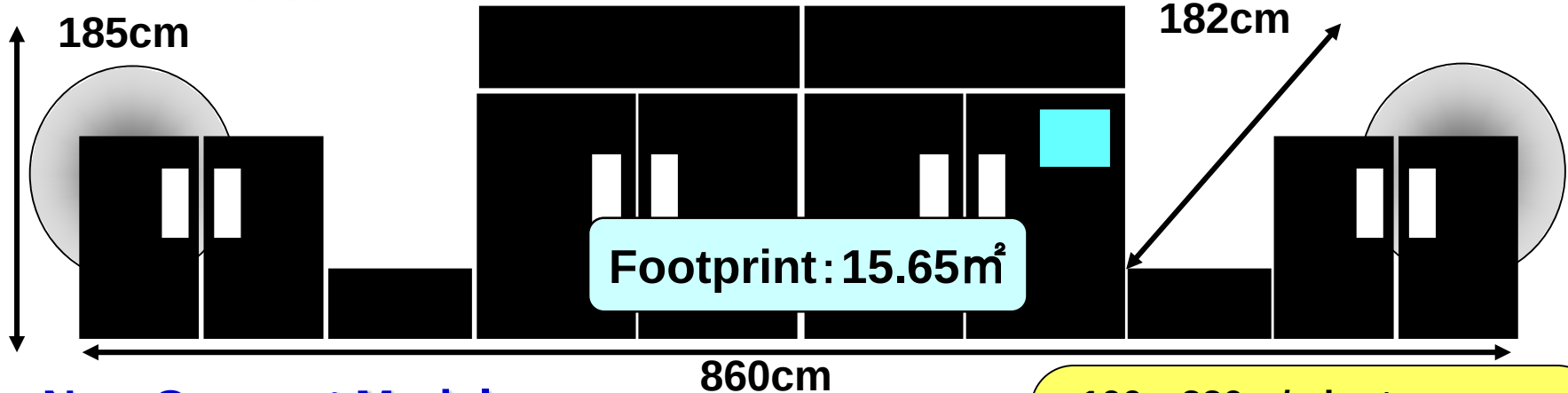
- All rollers shall be Parallel
- No adjust mechanism (Absolutely accurate Frame)
- Shall not Cantilever (Both side support)

## u Small

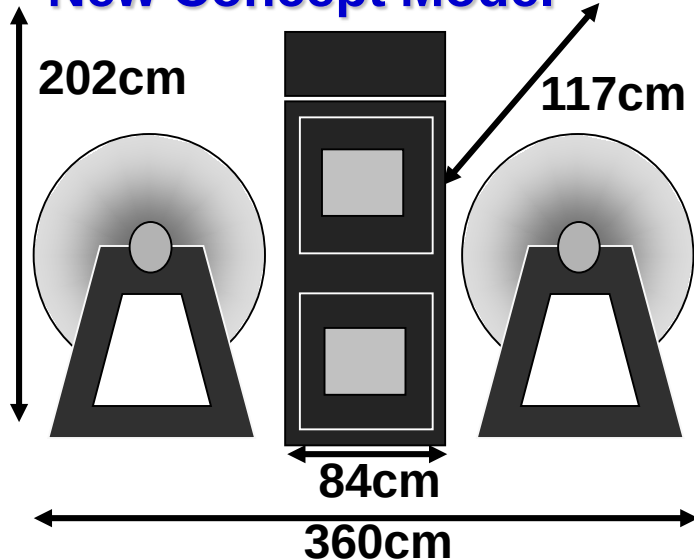
- Appropriate Margin (Optimize design accuracy)
- Use smaller devices

# Comparison of size, footprint

## Kodak Versamark 9580



## New Concept Model



- 100~230m/minute
- 2,000ppm or over (A4 1up)
- Full color
- Duplex
- 200M Yen

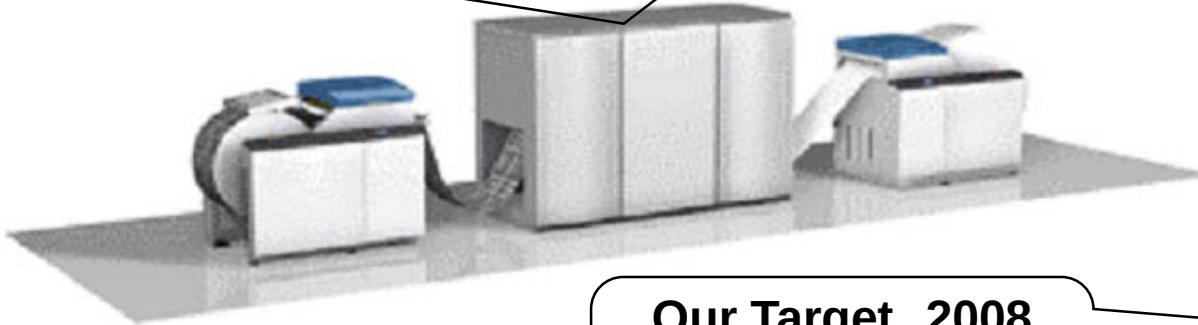
- 40m/minute
- 380ppm (A4 1up)
- Full color
- Duplex
- 20-50M Yen

# Continuous IJP for Industry use



**Current full color model  
(150~600Myen)  
400~1200ppm**

**Image of recent full color machine  
(80Myen ~120Myen)  
200~400ppm**



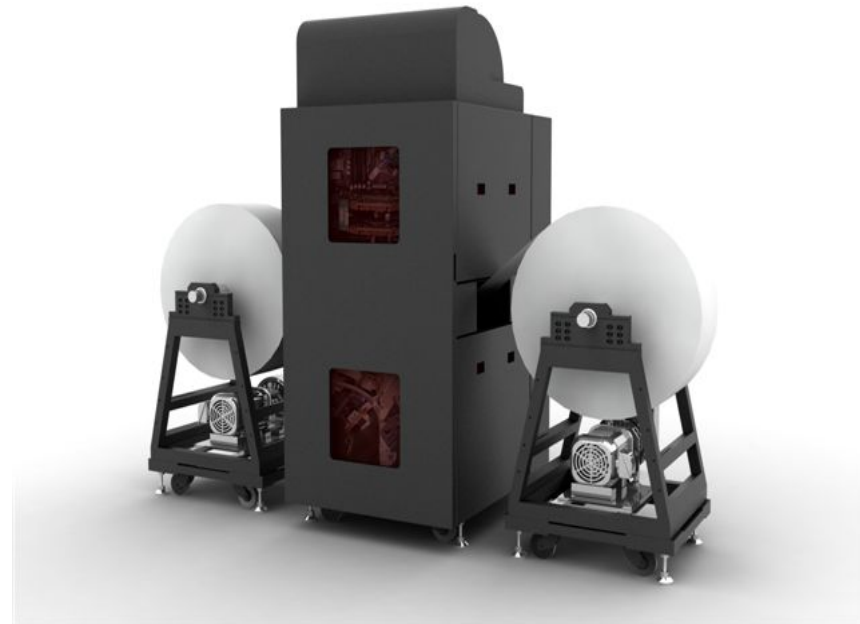
**Feature;  
Small  
Duplex  
Easy handling  
Low price  
Low running cost**

**Our Target 2008  
(20Myen ~50Myen)  
120~180ppmX2**



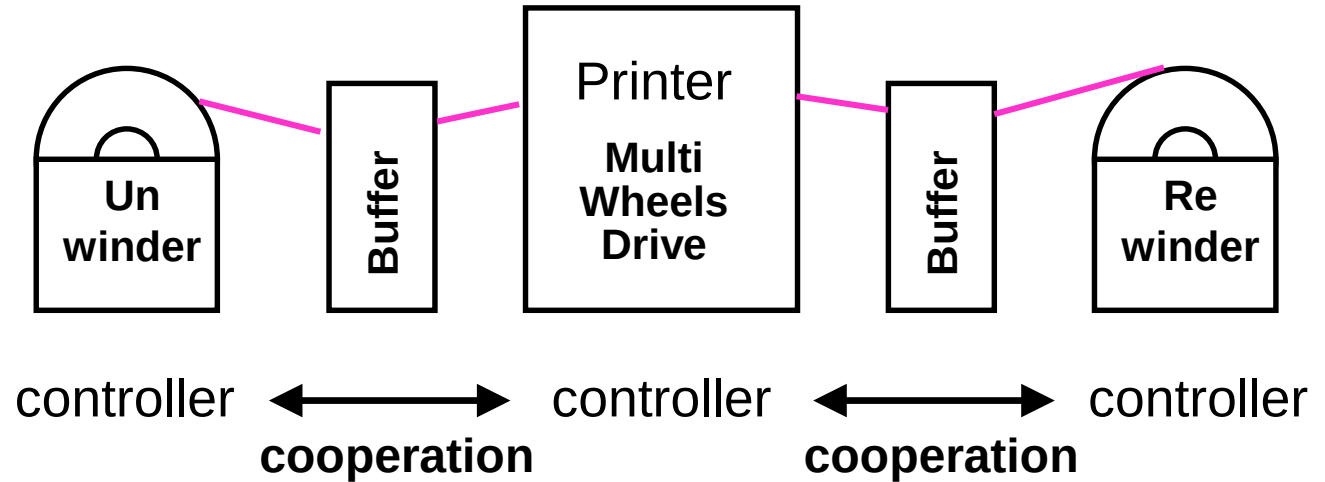
# Feature of New Concept Printer

- u Duplex printing
- u On the Drum Process
- u One Drum Drive (One Master Control)
- u Same Mechanism of HC5000
- u 12.5inch width 40m/min (3 dots)
- u Compact dimensions
- u Low cost
- u Low running costs
- u Real time MF Detection
- u Maintenance-free
- u Easy installation

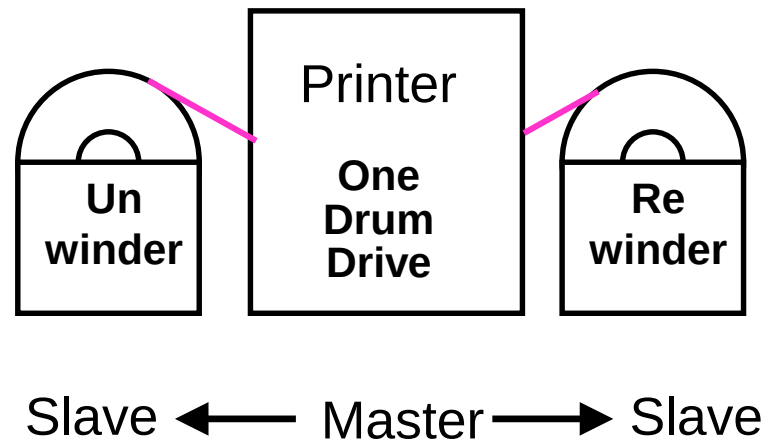


# Simple mechanism with One Drum Drive

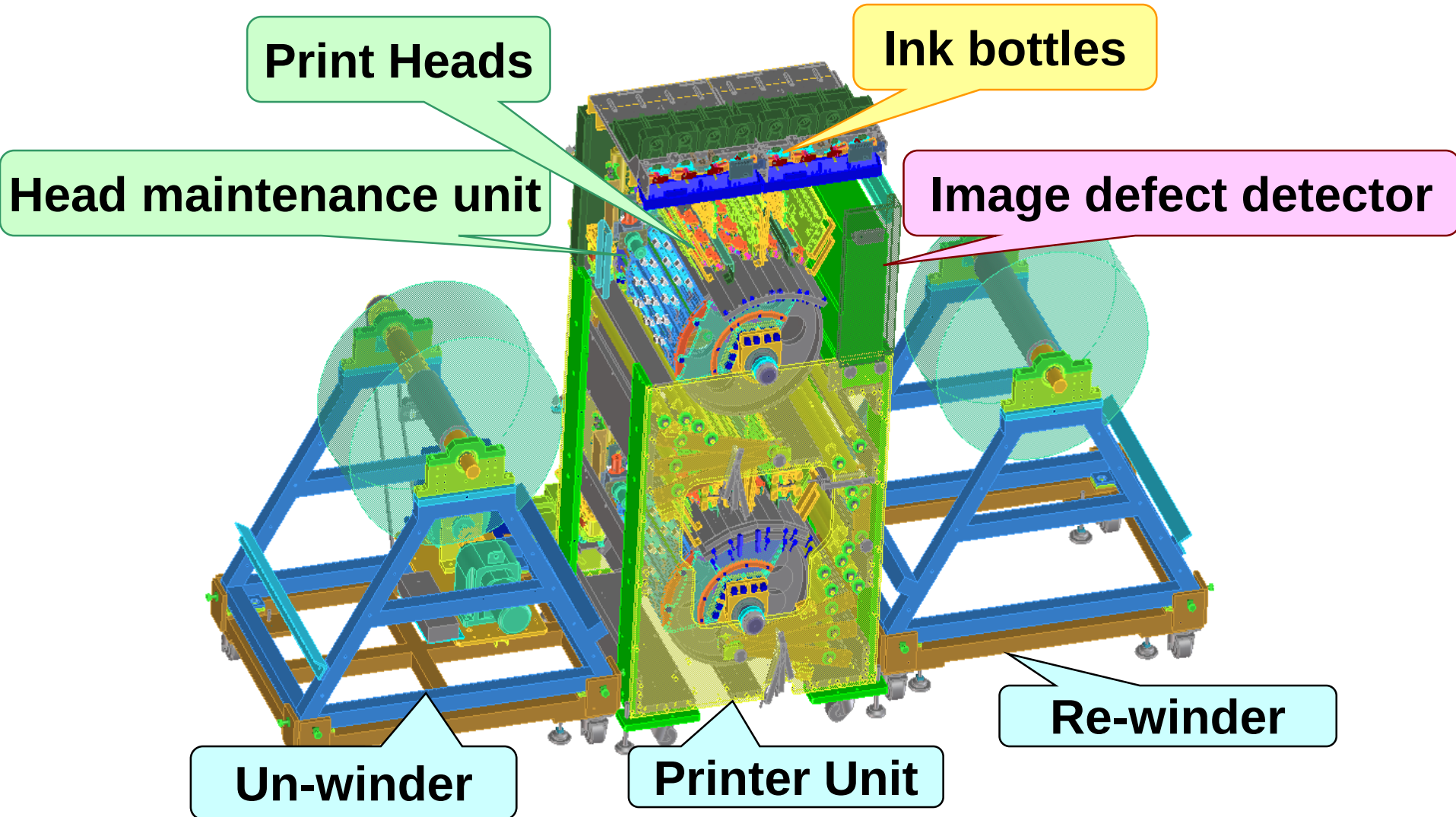
**Traditional**



**New Next  
concept**

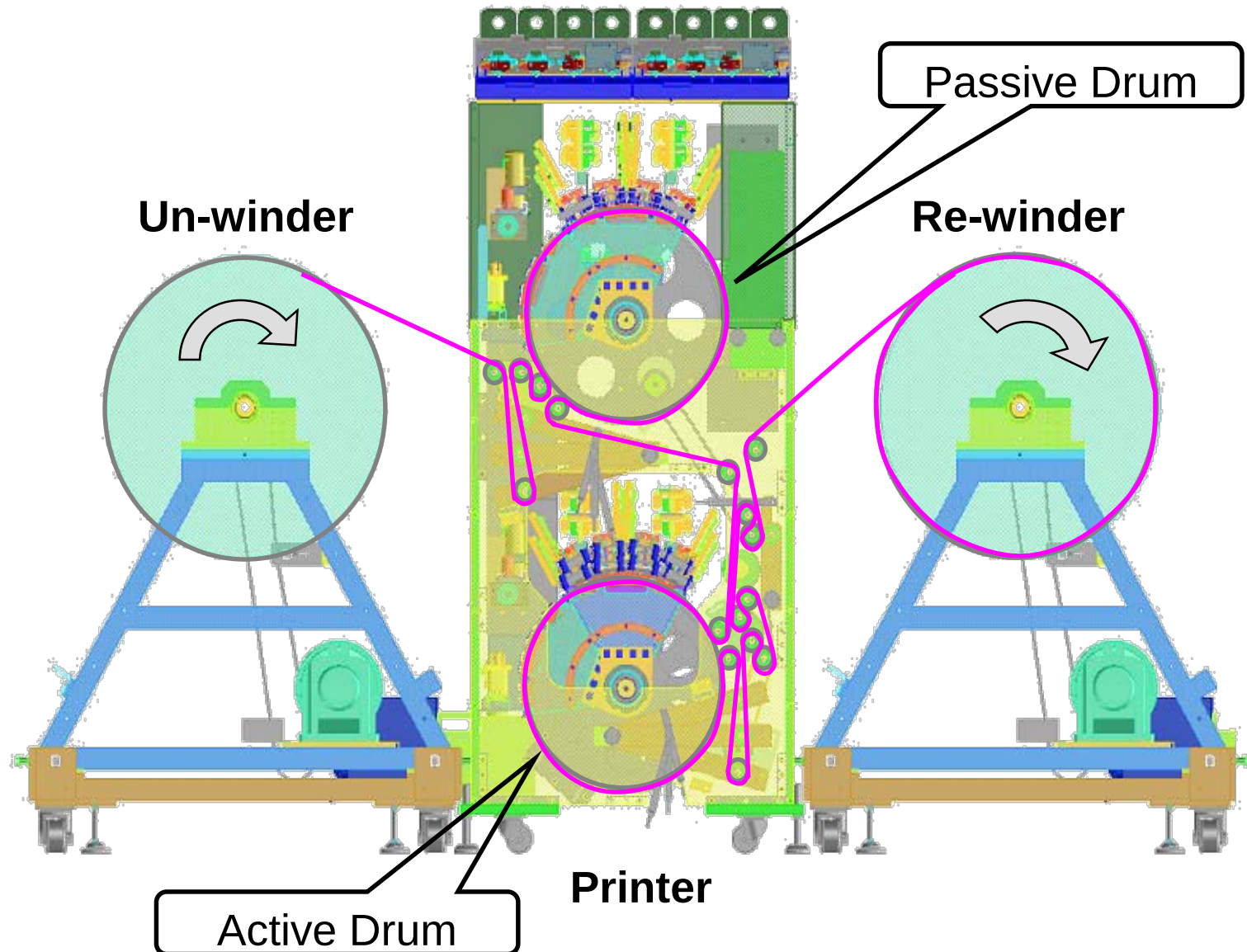


# Bird View of New Concept Printer



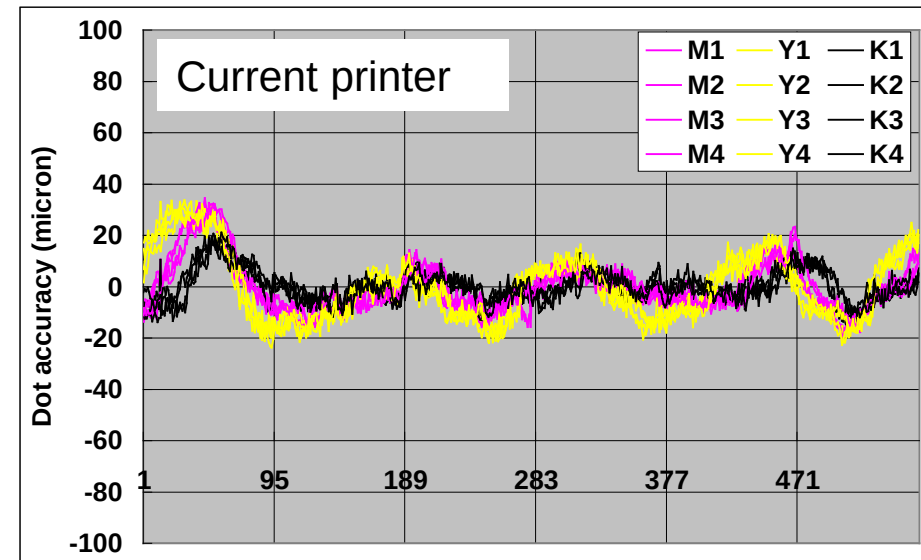
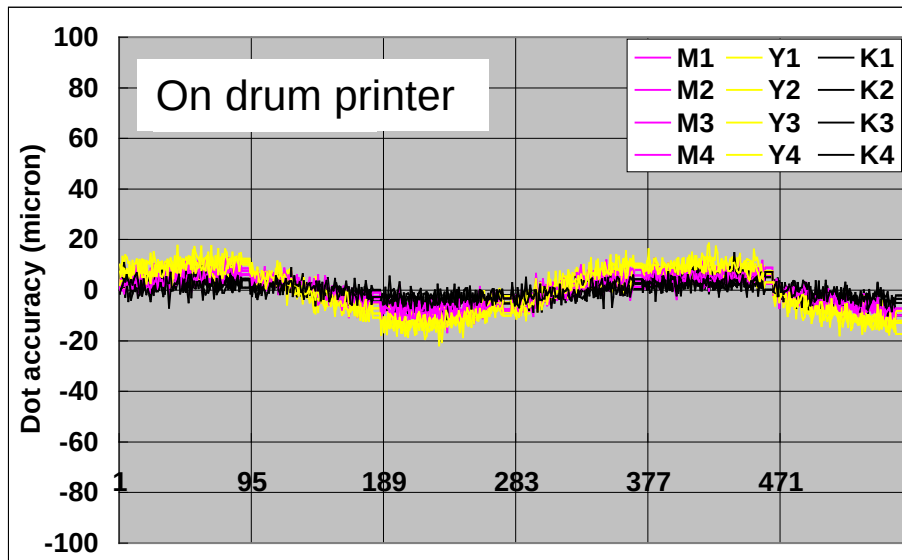
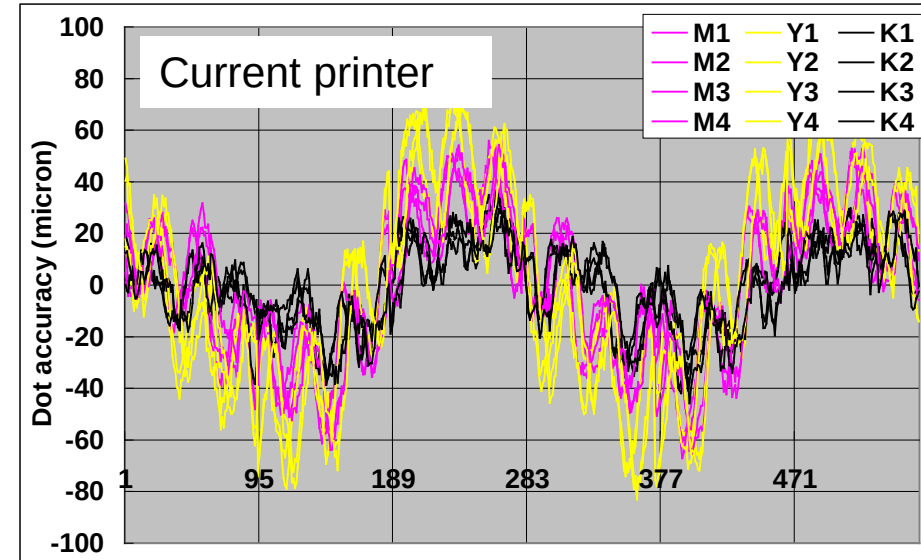
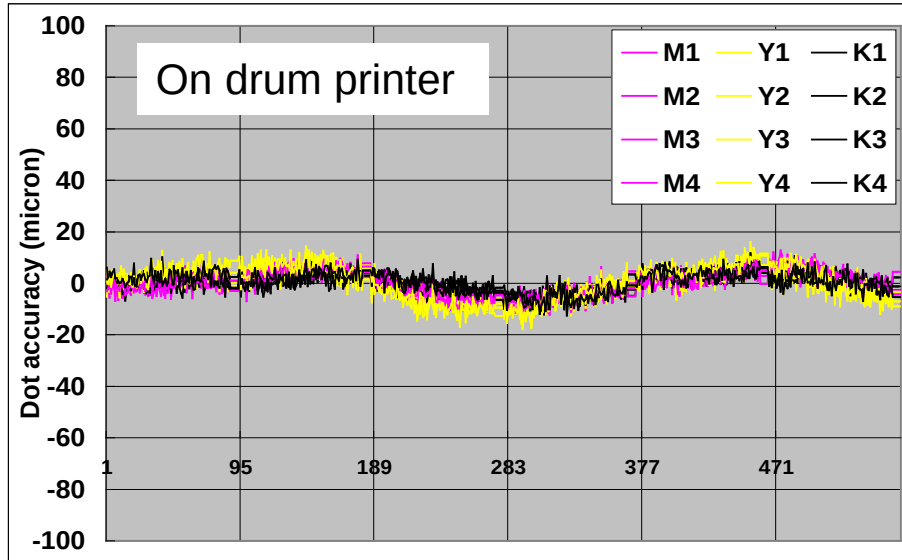


# Paper feeding of New Concept Printer





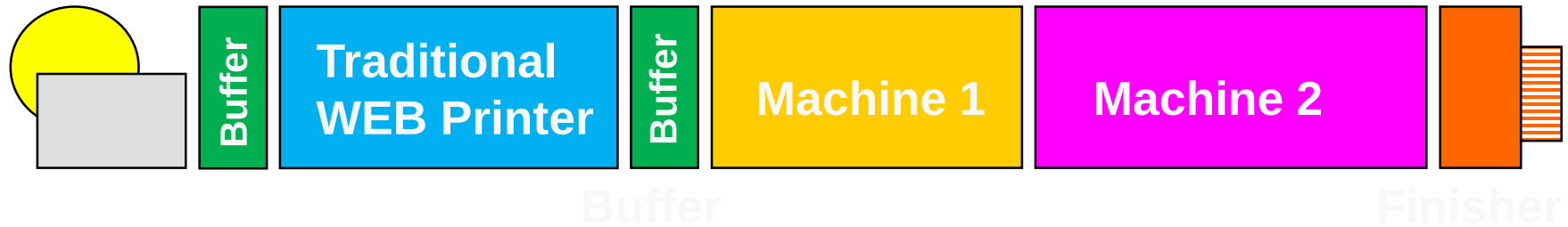
# Comparison of Dot Accuracy



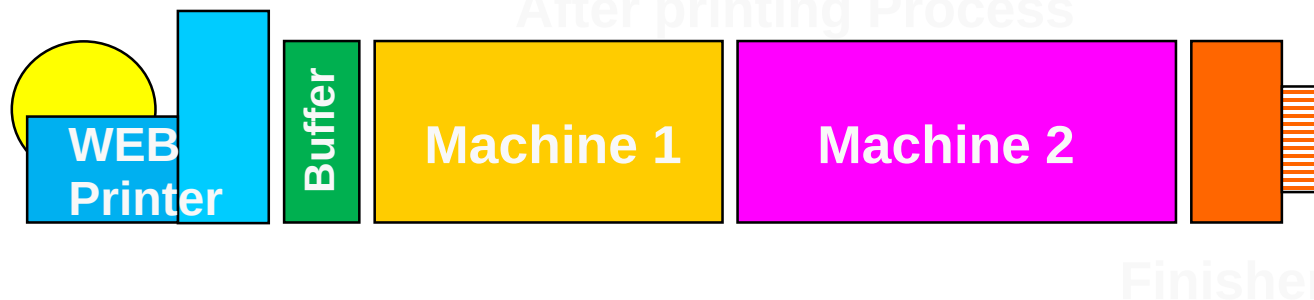


# Roll to Finished work

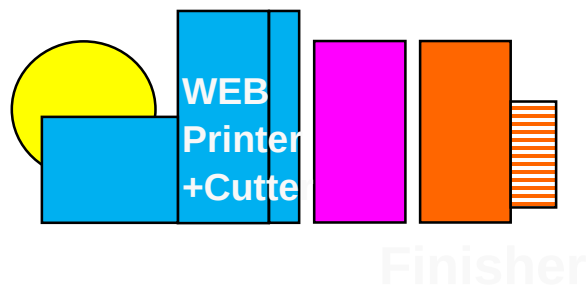
Current



New Concept Printer with current finisher



New Concept Priter including finisher



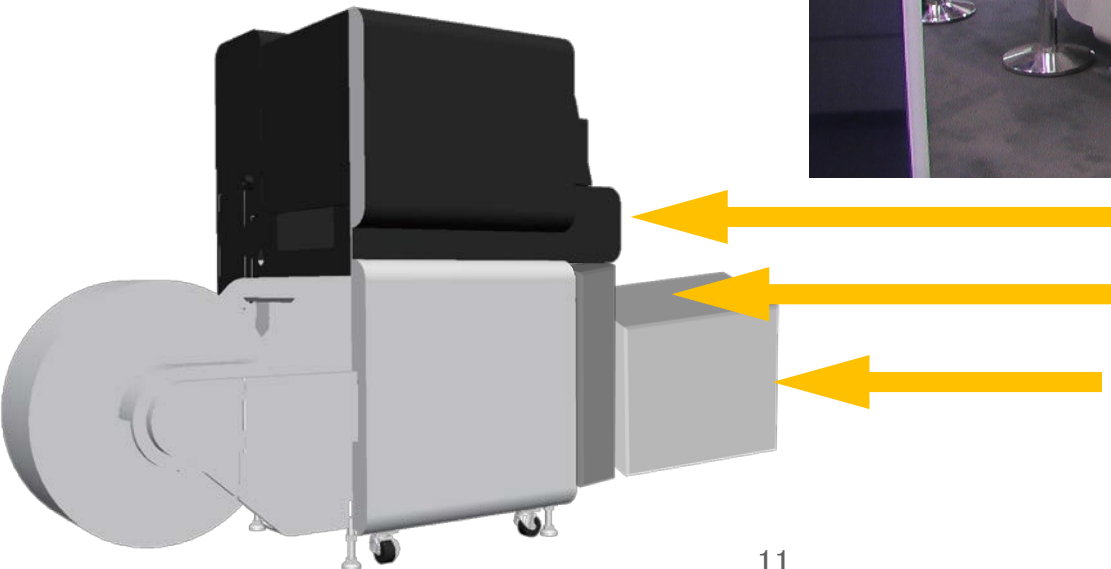
# At Drupa2008

All in one concept

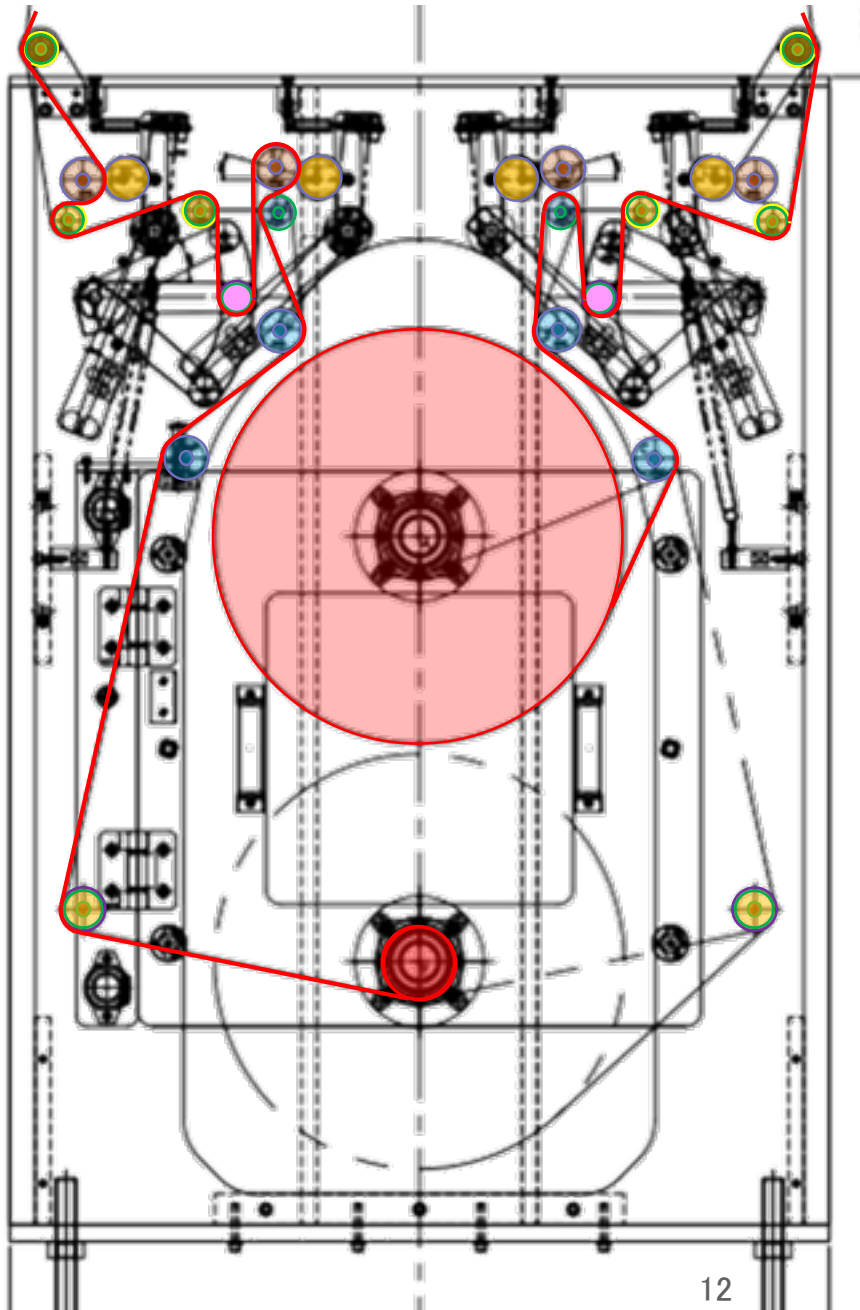
Demonstration

A3 3page duplex staple  
folding

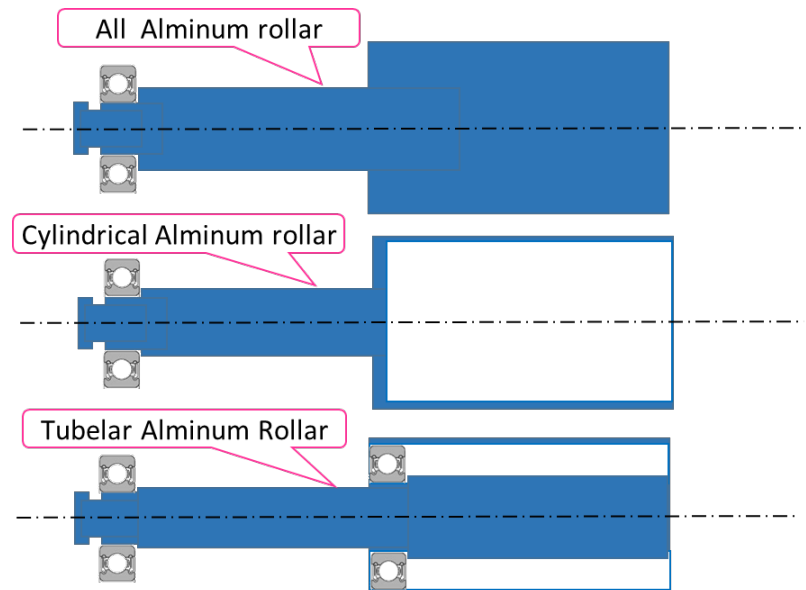
→ A4 12 pages book



- u Web cutter
- u Sheet buffer
- u Staple
- u Fold

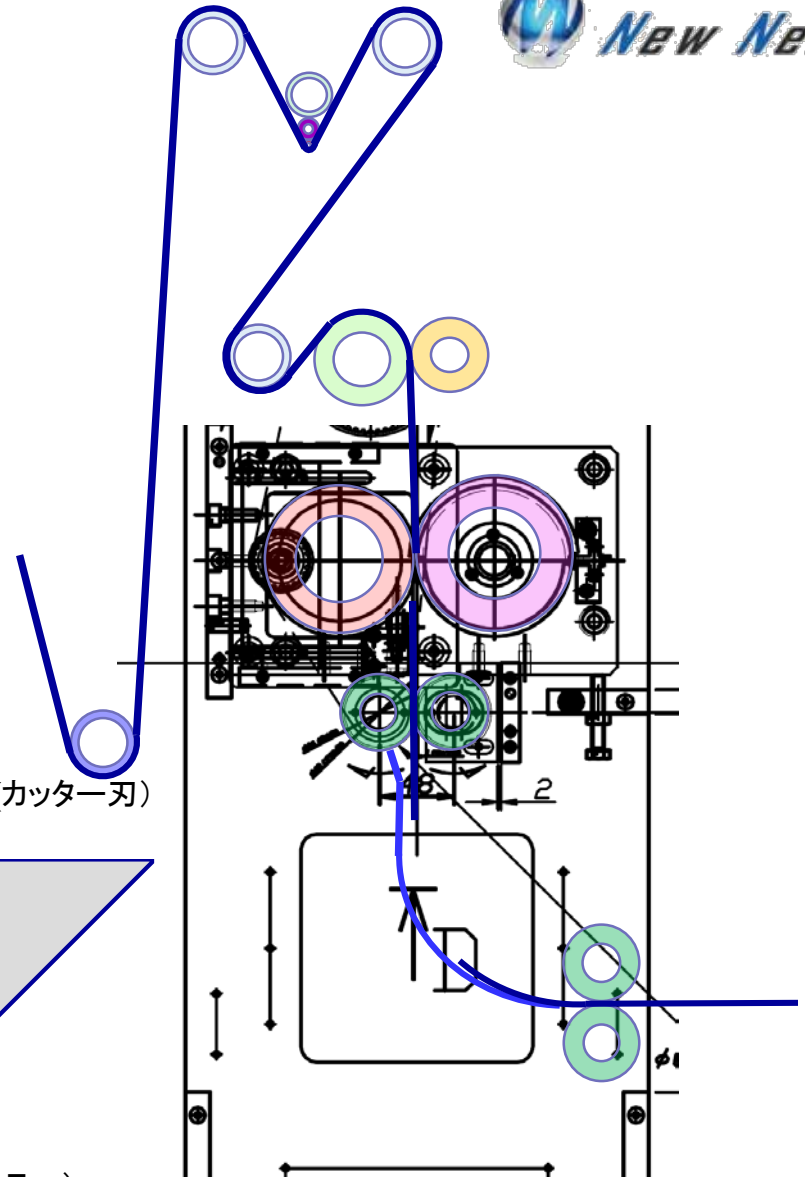
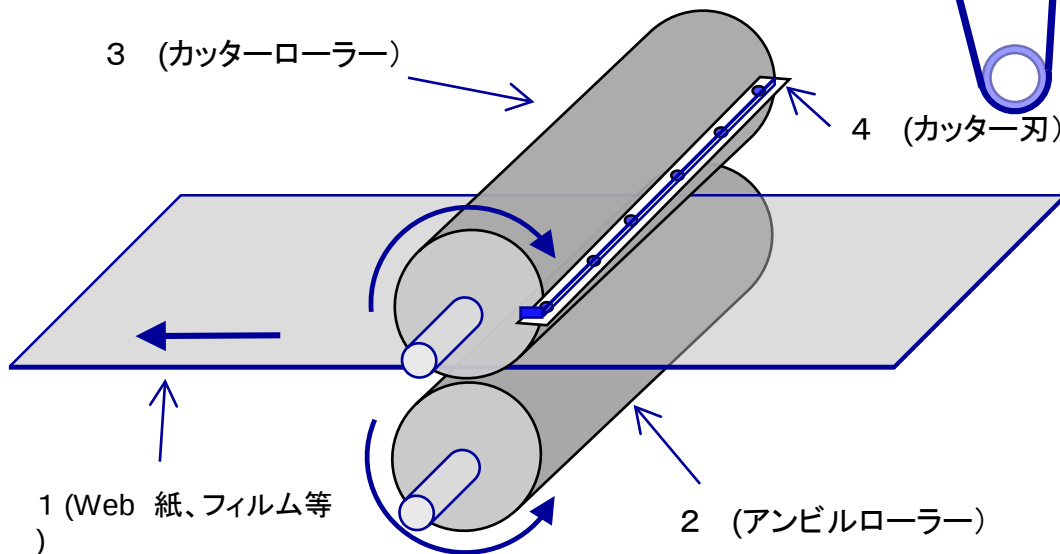


-  Tubular Alminum
-  Cylindrica Alminum
-  All Alminum
-  All Alminum
-  All SUS 40mm
-  Elastomer
-  Cylindrikal Alminum



# Cutter Unit Rotary cutter system

図1 従来のカッターローラーユニット



**END**

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