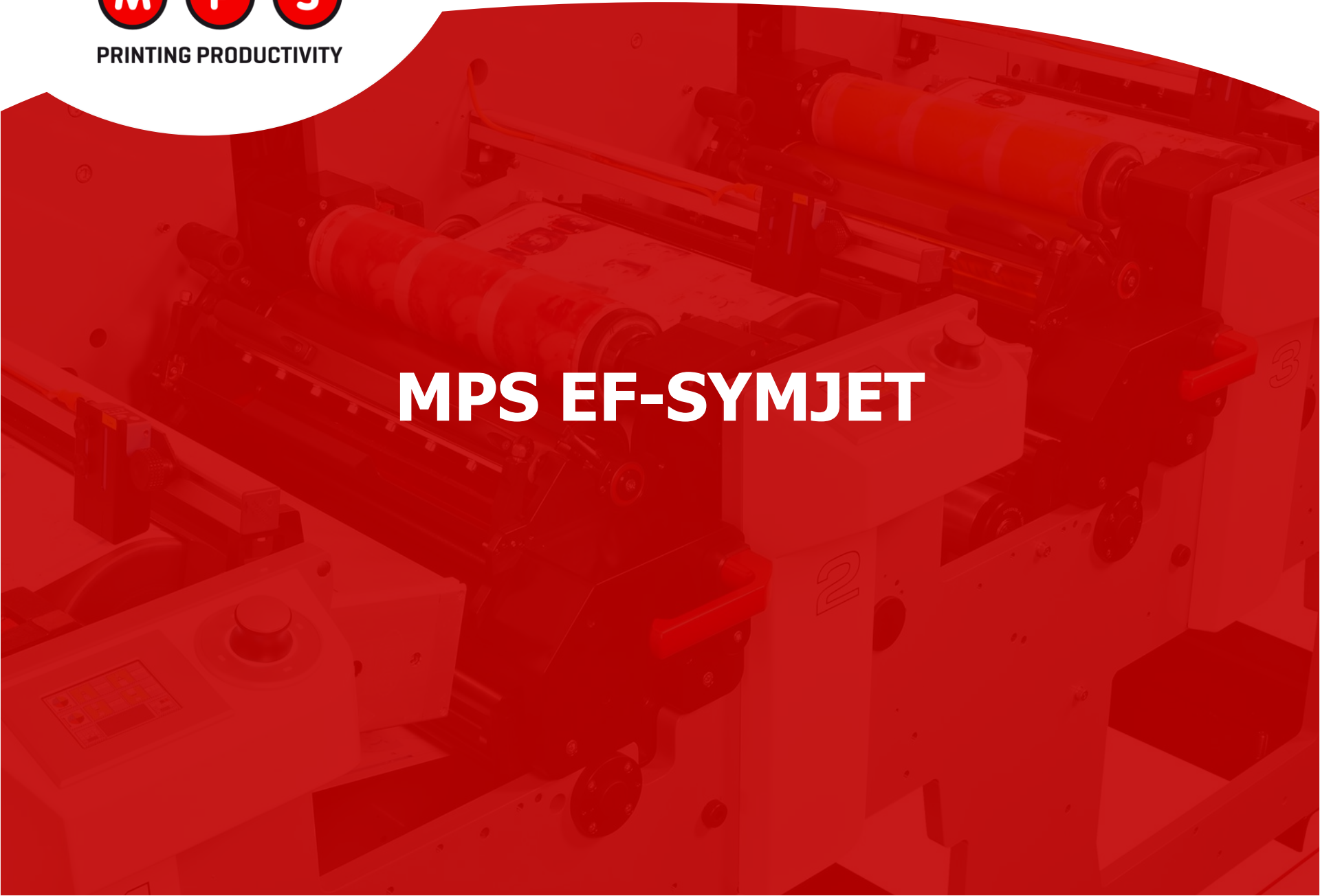




PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

MPS EF-SYMJET





PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

OPERATOR FOCUSED, RESULTS DRIVEN

Press **operators** have a significant impact on press productivity and printing **results**.

Yet, finding and keeping **skilled** operators is one of the biggest **challenges** in our industry today.

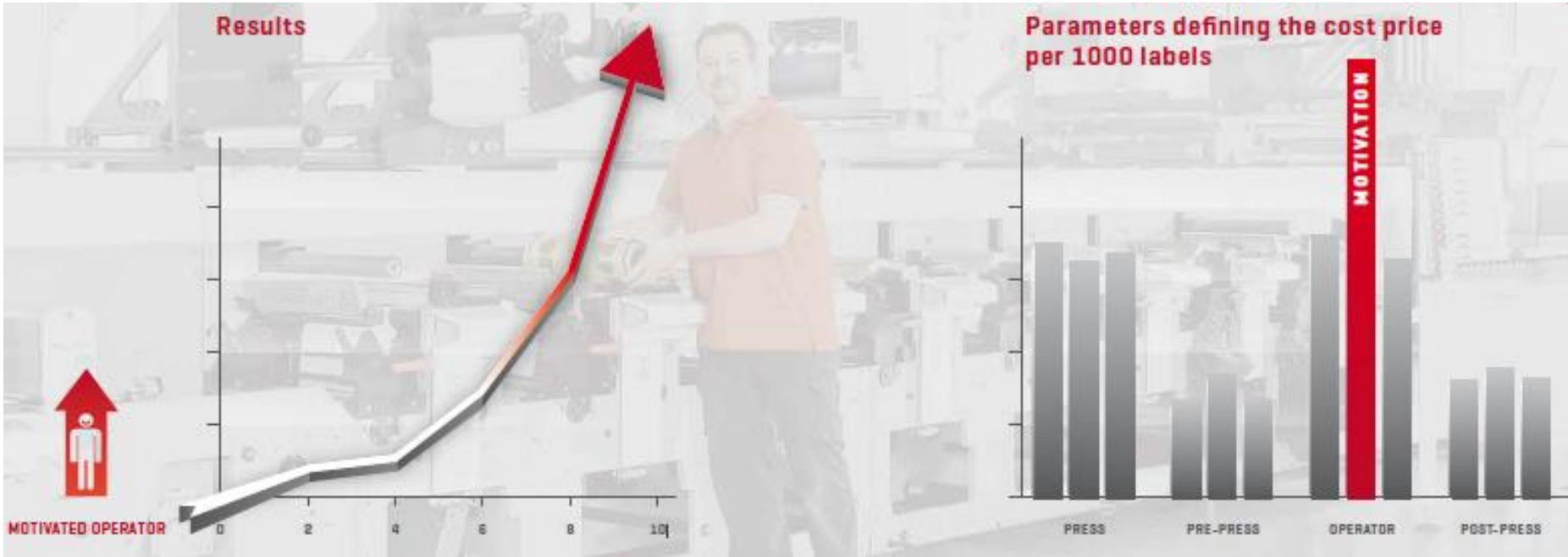


PRINTING PRODUCTIVITY

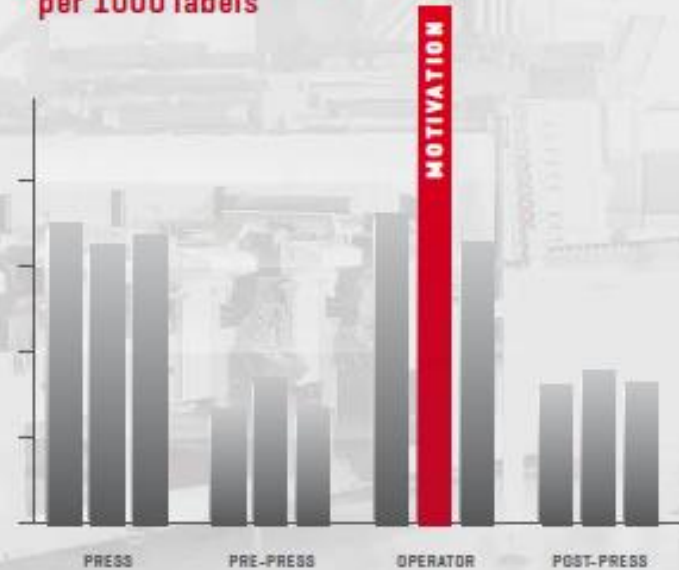
OPERATOR FOCUSED, RESULTS DRIVEN.

OPERATOR FOCUSED, RESULTS DRIVEN

Results



Parameters defining the cost price per 1000 labels





PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.



EF- SYMJET:

THE
HYBRID
PRINTING
SOLUTION



PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.



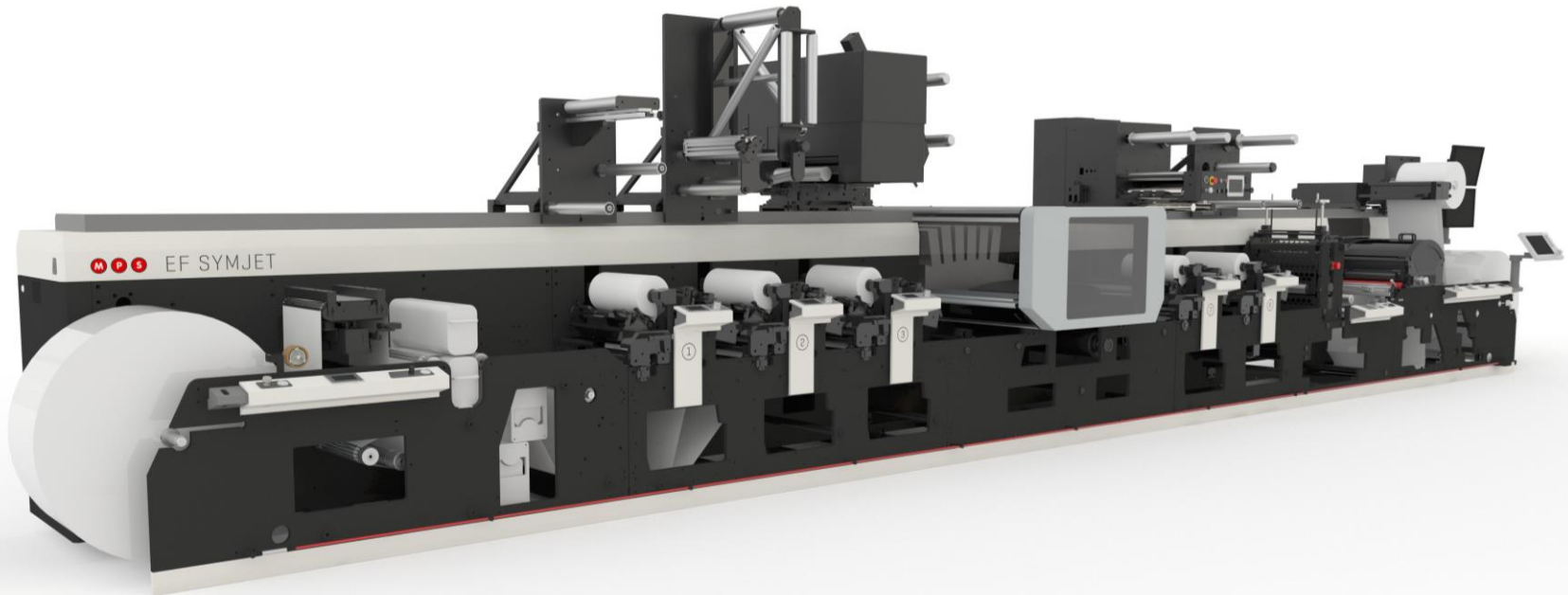
Width 330 mm : 13 inch

EF-SYMJET
THE HYBRID PRINTING SOLUTION



PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.



Width 430 mm : 17 inch

EF-SYMJET
THE HYBRID PRINTING SOLUTION



PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

**EVERYTHING THAT CAN BE
DIGITAL, WILL BECOME DIGITAL**

**EVERYTHING THAT CAN BE
PRODUCED IN LINE, WILL BECOME INLINE**



PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

DIGITAL TODAY



PRINTING AND...

FINISHING





PRINTING PRODUCTIVITY

OFFLINE HAS TWO REASONS

Different productivity

- Set up time
- Set up waste
- Speeds
- Operation
- Skills
-

Different complexity

- Digital is print only
- Converting is
 - Print
 - Foiling
 - Screen
 - Emboss
 - Die cut

WHY SYMJET HYBRID?

A PRINTING SOLUTION WITH IN-LINE FINISHING

1. Machine functions automated and digitalized
1. One speed, up to 70 m/min
2. One set up time and equal waste
3. Controlled complexity





PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

INTEGRATED WORKFLOW, ALSO FOR FLEXO, DIE-CUTTING & SUBSTRATE

Thumbnail	Name	Front Color Strategy	Repeat L...	Status	Creation Date
	co-amox	AE403-0192-Fasson-PP-T...	290,01 mm	Finished	19. 02. 2016 09:37:55
	Amoxil	AE403-0192-Fasson-PP-T...	323,99 mm	Finished	19. 02. 2016 08:59:42
	Anoro	AE403-0192-Fasson-PP-T...	325,71 mm	Finished	19. 02. 2016 08:59:33

Print Job Details:

Print Job Name: On Front:
Priority:
Substrate:

Esko Digital Front End Viewer
E5042339002004005_LabelExpo201
21 of 21

Channels:
All
Cyan
Magenta
Yellow
Black

WHICH JOBS / MARKETS SEGMENTS FOR HYBRID?

1. Small to medium size runs, **standard labels**
2. Small to medium size runs, **standard labels with heavy ink laydown** (up to 100%)
3. Large size runs, **complex labels**, one size, dimension and embellishment, **multiple SKU's**
4. Security and personalization, **variable imaging**

1. SMALL TO MEDIUM SIZE RUNS, STANDARD LABELS

80% of short run work can be printed easily with YMCK(OV), varnish and die cutting.

Solution:

1. Flexo and die cutting station inline
2. Limited embellishment
3. Inline finished labels
4. Controlled complexity

=> All market segments



2. SMALL TO MEDIUM SIZE RUNS, STANDARD LABELS WITH HEAVY INK LAYDOWN (UP TO 100%)

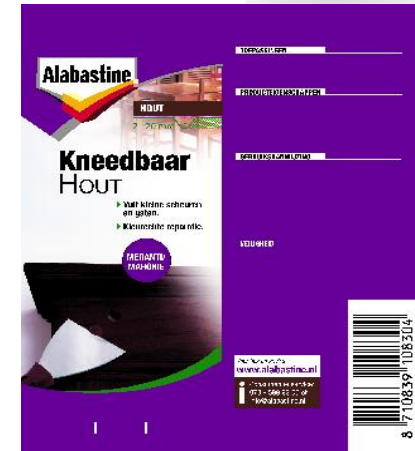
Heavy ink laydown; ink-jet is expensive

Solution;

1. Multiple flexo stations inline
2. Use flexo stations for PMS colours
3. Limited embellishment
4. Controlled complexity

=> All market segments

=> Shrink sleeves



3. LARGE SIZE RUNS, **COMPLEX LABELS**, ONE SIZE, DIMENSION AND EMBELLISHMENT, **MULTIPLE SKU'S**

Multiple SKU's, large order size

Solution;

1. Multiple flexo stations inline
2. Unlimited embellishment
3. Speed 70 m/min
4. Controlled complexity

=> **Health and beauty**

=> **Beverage**



4. SECURITY AND PERSONALIZATION, VARIABLE IMAGING

Use Ink-jet for variable data

Solution;

1. Flexo inline, depending on market requirements
1. Embellishment, depending on market
2. Speed 70 m/min
3. Controlled complexity

=> All market segments





PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

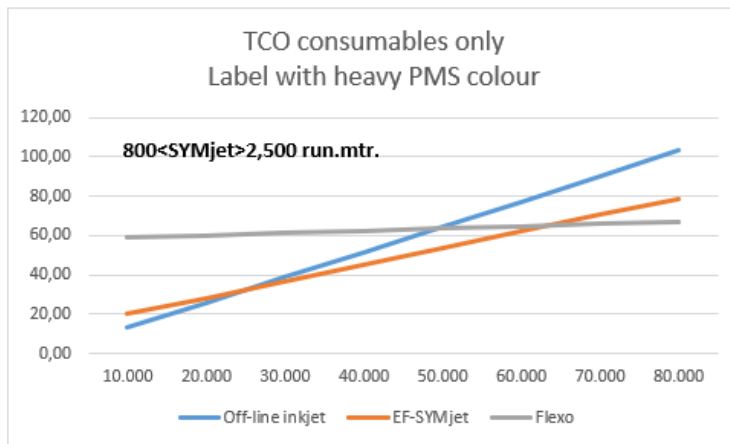
EF SYMJET, results driven



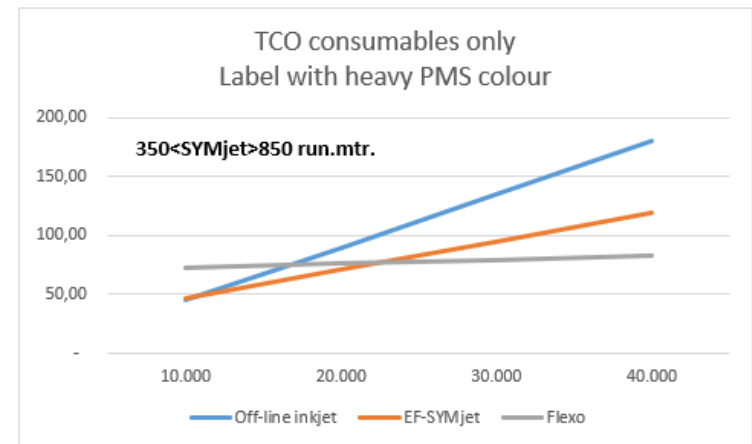
Job size	Run. Mtrs
10.000	207
20.000	620
30.000	1.034
40.000	1.447
50.000	1.861
60.000	2.274
70.000	2.688
80.000	2.895



Job size	Run. Mtrs
10.000	354
20.000	707
30.000	1.061
40.000	1.415
50.000	1.768
60.000	2.122
70.000	2.476
80.000	2.829



EF-SYMjet:
Pink with Flexo



EF-SYMjet:
Braun + Red (to create purple)with Flexo



PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

INTERESTING ECONOMICS

TCO of SYMjet and Flexo will benefit from:

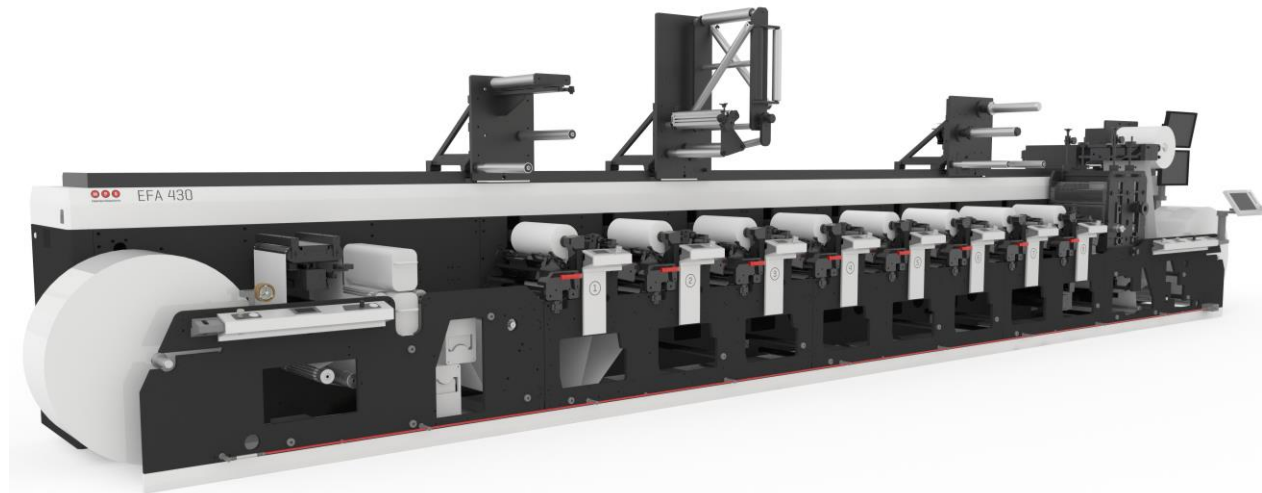
- 1 One process
- 2 No additional set up costs of converting machine
- 3 Single operator instead of 2 operators
- 4 One process and management instead of 2
- 5 Scheduling costs, faster and quicker, no intermediate stock



PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

EF SYMJET IS
BASED ON
EFA





PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

AUTOMATED PRESS SETTINGS



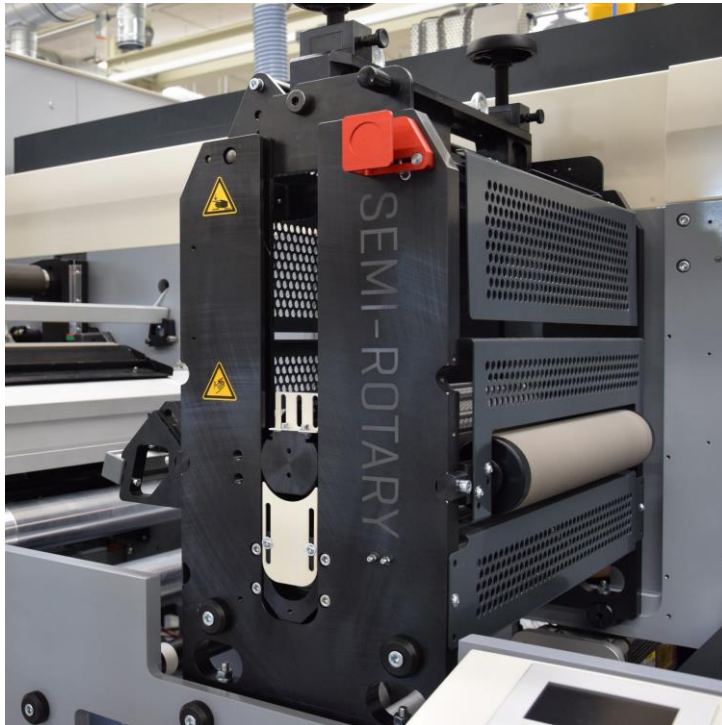
Flexo Print settings are **automated** and **digitalized!**



PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

SEMI-ROTARY DIE



Semi Rotary QC Die Quick Change Die technology

- 2 speed modes
 - Semi rotary
 - Full rotary



PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

Automated Quick Change Die



Pressure settings are **Automated**
and **Digitalized**

Die change in 10 seconds

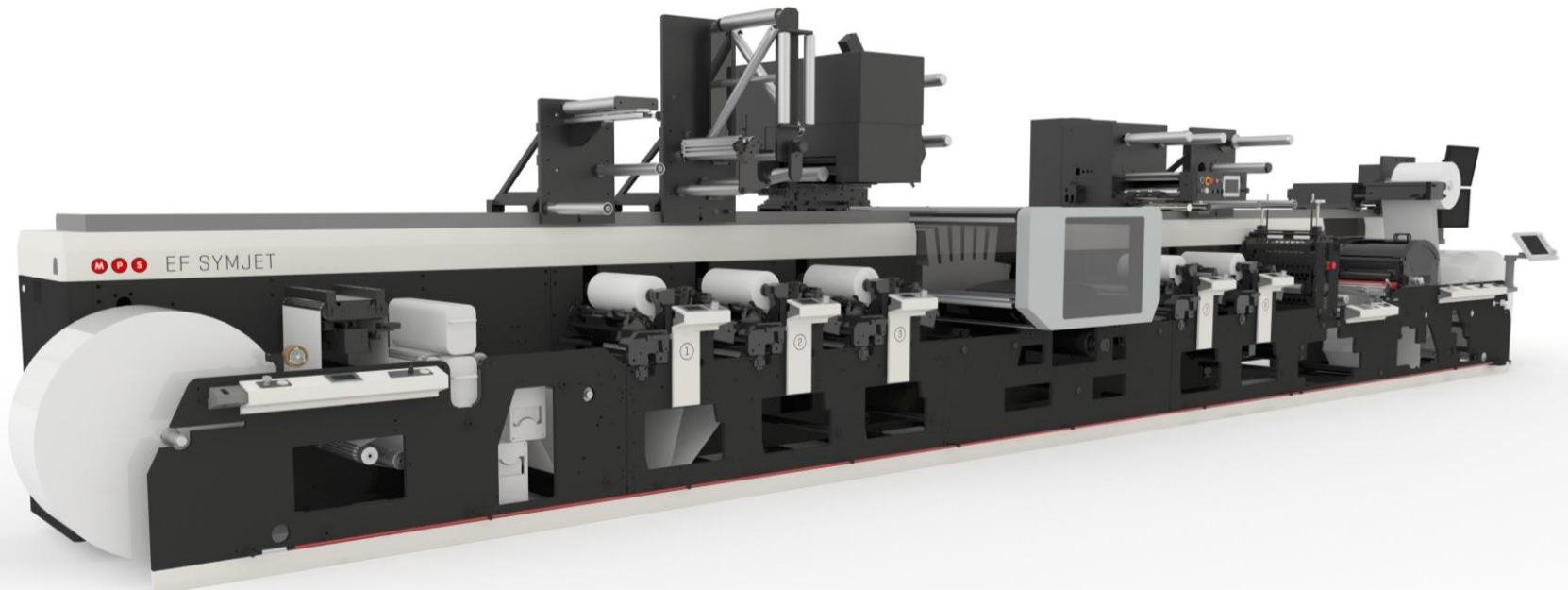


PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

THE EF SYMJET

- Unlimited converting possibilities





PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

EF SYMJET IS
BASED ON
DOMINO
N610i & N617i

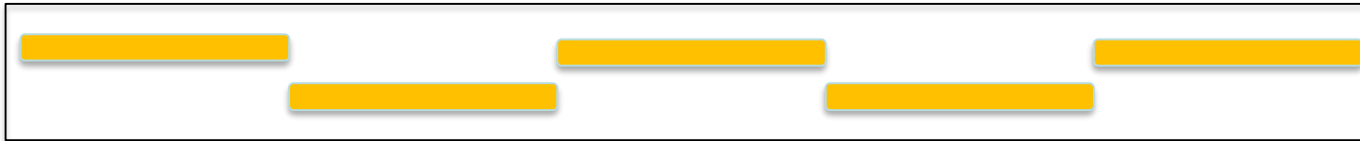




PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

Domino technology



Competing technologies
6 – 42pl drop range



Kyocera KJ4
6 – 14pl drop range

Overlapping trapezoid head technology improves stitch quality



PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

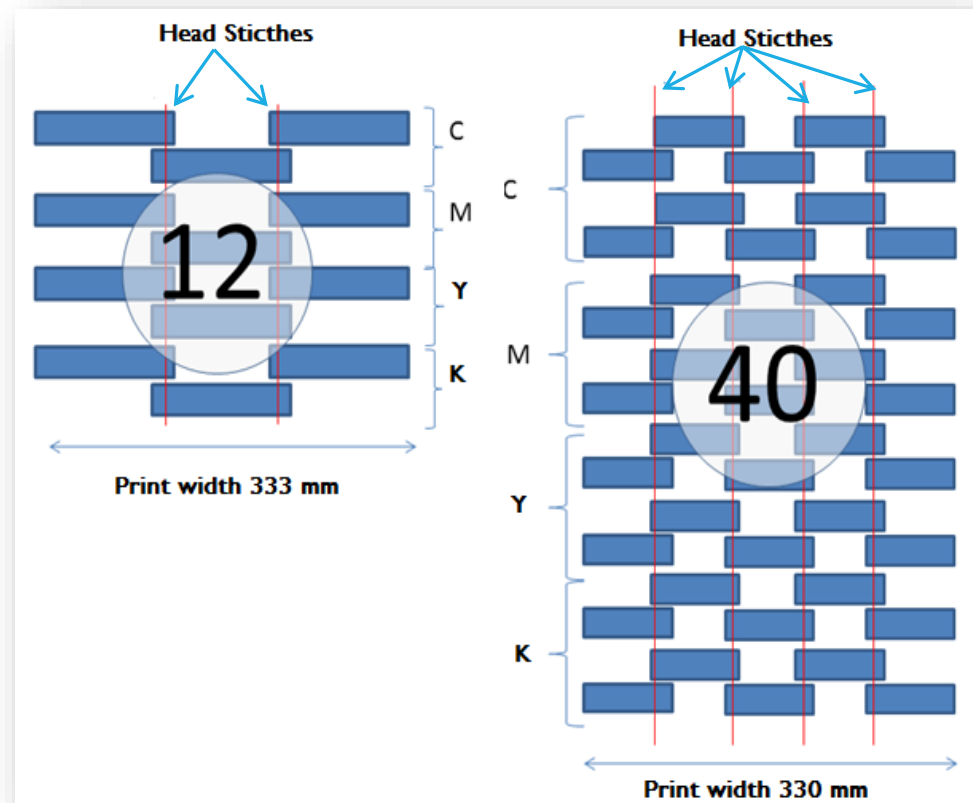
Domino technology

DOMINO TECHNOLOGY

COMPETING TECHN.

Kyocera Technology

- Less print heads
- Less Head **stitches**
- Better print uniformity, 4 gray scales
- Higher native resolution
- Much shorter length of printing station
- Print speed 70 m/min





PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

Domino N610i UBR

i-Tech *Stitchlink*

Automated print head alignment, provides accurate registration and ease of set up

i-Tech *Cleancap*

Automated print head cleaning and capping station, ensures the highest print quality and productivity

i-Tech *ActiFlow*

The ink circulation system keeps the ink at a constant temperature and degasses the ink, improving print quality and reliability



DFE Digital Front End

- **Esko** Artwork Suite 10
- X-Rite Spectra-Photometer
- Dell RIP PC
- Print files → bmp / jpg

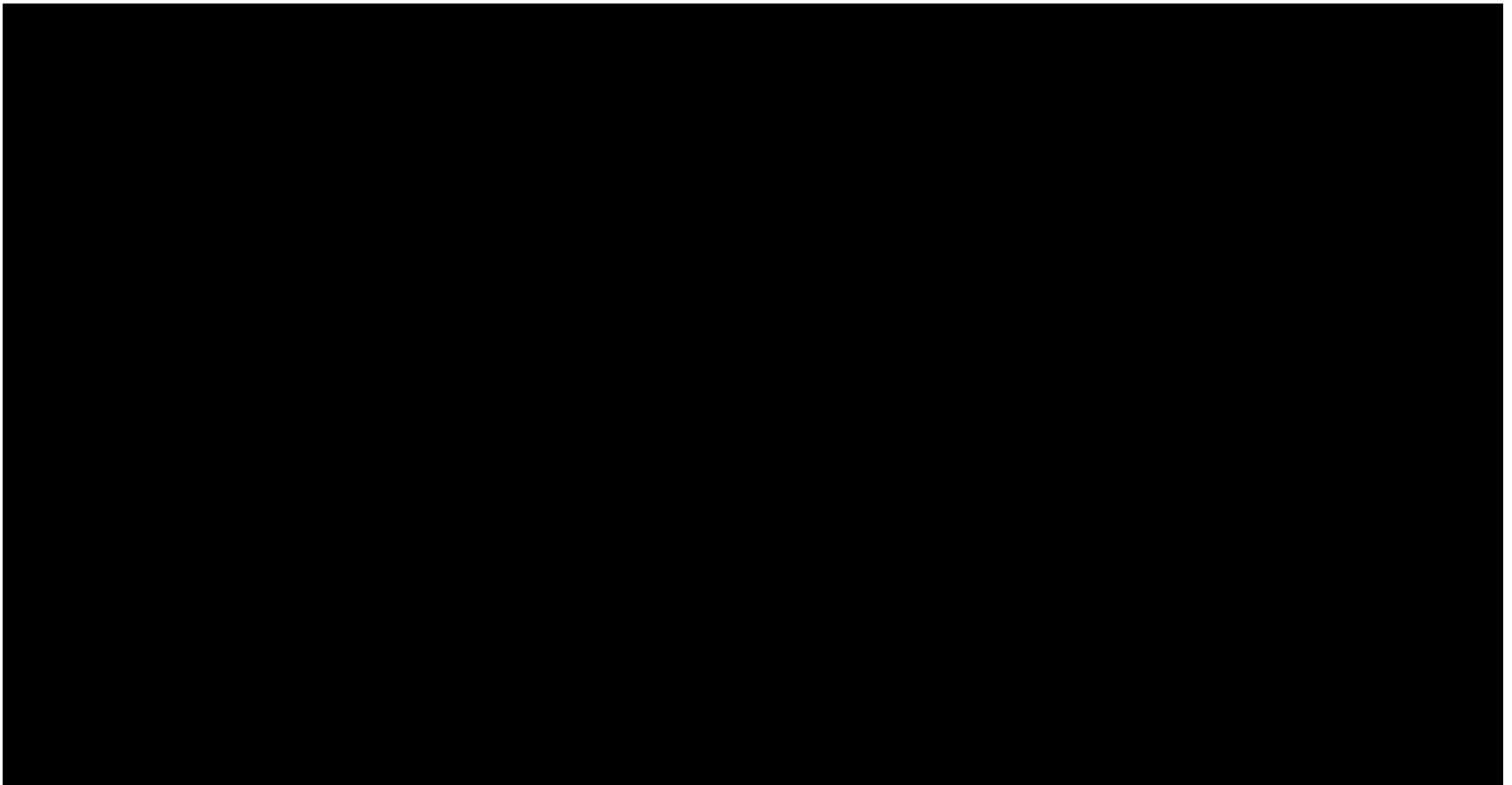


PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

Domino UBR

i-Tech *StitchLink*, easy controlled by operator



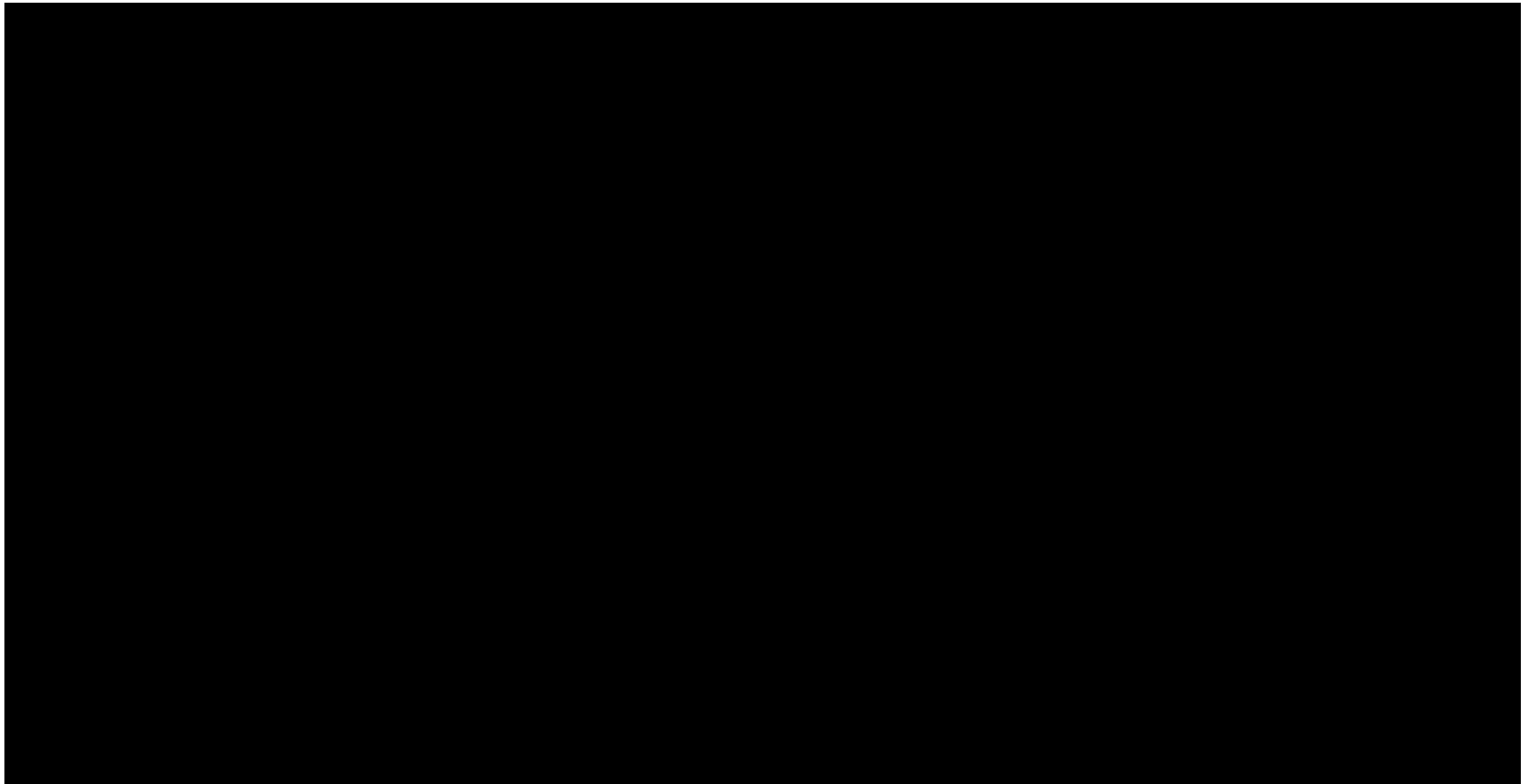


PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

Domino UBR

i-Tech *CleanCap*, in less than 60 sec



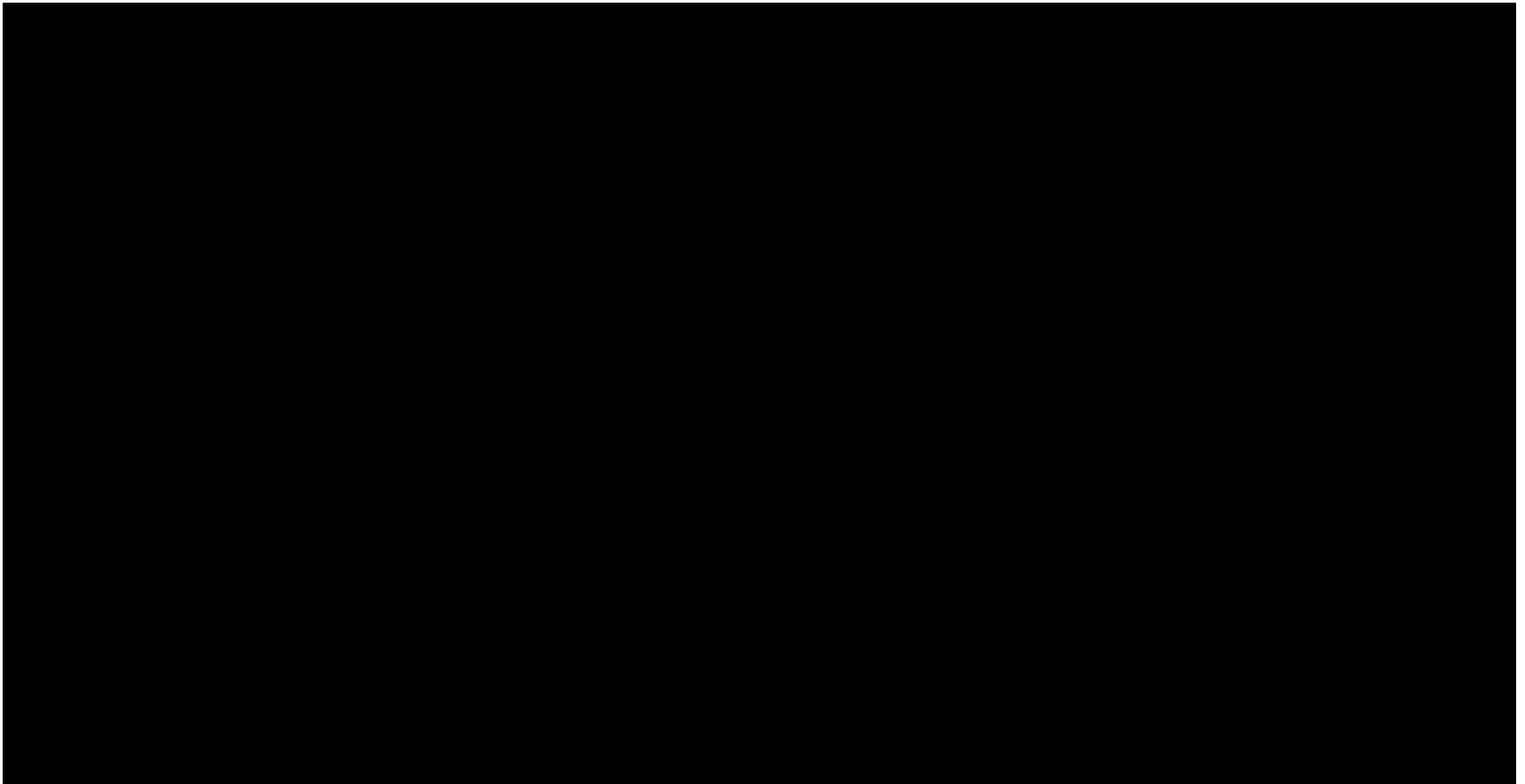


PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

Domino UBR

i-Tech *ActiFlow*, no air in ink, no starvation





PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

Domino UBR white ink

i-Tech *Trapless*



A unique design removing all potential ink traps where pigment can conglomerate

i-Tech *UltraMix*



Ink tank which continuously circulates the white ink, ensuring the pigment does not settle



PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

Domino N610i + N617i

	BasicCare 1st year included	TotalCare Sold by Domino	TotalCare+ Sold by Domino
Printhead replacement included	x	x	✓
Contract discount: Printheads (Not covered under replacement program)	15%	15%	15%
Preventative Maintenance: 2 x Visits per annum, Parts & Labour included	✓	✓	✓
Breakdown repair – parts and labour	x	✓	✓
Esko software updates	✓	✓	✓
Press control software updates	✓	✓	✓
Team viewer remote press support	✓	✓	✓

Service Program offered



PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

EF SYMJET THE PERFECT PROPOSITION

1. Domino is nr 1 in inkjet, with over 38 years in inkjet experience, 200+ installations:
 - Consistency in quality
 - ESKO front-end
 - Reliable: Service contract
2. MPS is the fastest growing most innovative label press manufacturer worldwide:
 - Most predictable quality
 - Flexo automation
 - Die cutting automation
3. Challenge your order book





PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

MPS SERVICE



PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

WORLDWIDE SERVICE NETWORK



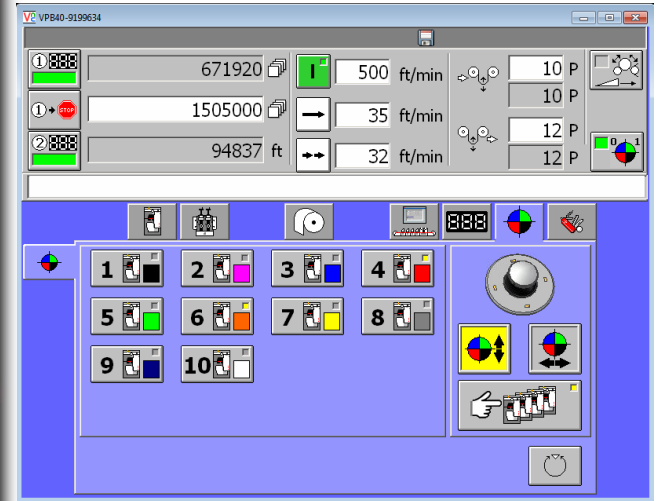
Certified service engineers



PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

REMOTE DIAGNOSTICS

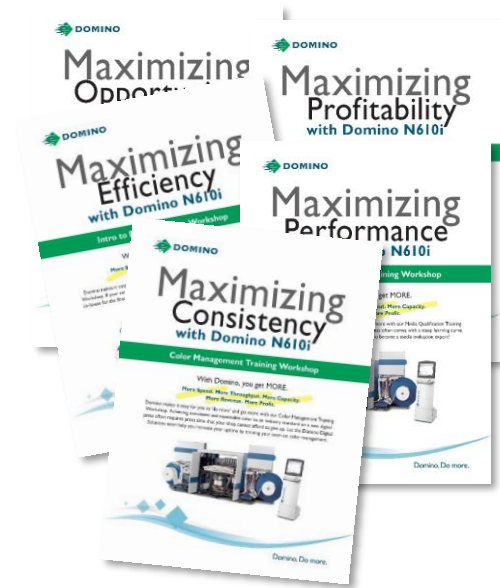


Modem installed in each press!

Domino offers several workshops

Maximizing:

- Efficiency Intro to Digital Printing Workshop
- Profitability Estimation \$ Workflow Training Workshop
- Consistency Colour Management Training Workshop
- Performance Media Qualification Training Workshop
- Opportunity Customer Sales Training Workshop





PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

TEC (Technology & Expertise Center)



The Netherlands



Japan



USA



PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

SUMMARY



PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

NO NONSENSE ROI; FLEXO & MACHINE

1. Press automation
2. Quick change tooling
3. Unlimited options

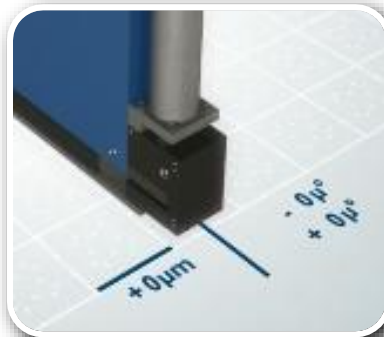




PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

NO NONSENSE ROI; INK-JET



1. CleanCap
2. ActiveFlow
3. StichLink
4. Trapless
5. UltraMix





PRINTING PRODUCTIVITY

NO NONSENSE ROI



PRINTING PRODUCTIVITY



SAVING CALCULATOR	
	SYMjet
Total yearly MATERIAL savings (machine width 330 mm):	€ 15.000
Total yearly TIME savings:	€ 140.625
Total yearly savings:	€ 155.625

GENERAL DATA INPUT	
Machine rate [€ / hour]	€ 250
Cost of material [€ / m2]	€ 0,40
Average number of jobs run per week: [Jobs]	150
Nr weeks [per year]	50
Nr of day [per week]	5

SPECIFIC SAVINGS	
SAVINGS MPS HYBRID (see below)	
Less set up time [minutes / job]	3
Less set up waste [Mtr / job]	15
SAVINGS DOMINO INKJET (see below)	
Less system cleaning time [minutes / day]	30
Less maintenance, calibration [minutes / day]	15



PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

INCREASE PRODUCTIVITY

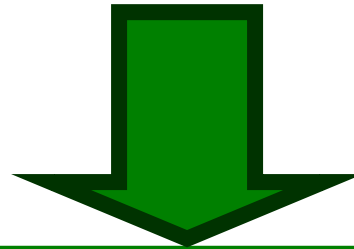




PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

REDUCE WASTE





PRINTING PRODUCTIVITY

OPERATOR FOCUSED, RESULTS DRIVEN.

MPS Systems B.V.

DELTA 100, ARNHEM
THE NETHERLANDS

Site 2

LICHTENHORSTSTRAAT 2, DIDAM
THE NETHERLANDS

MPS Systems GmbH

IM TECHNOLOGIEPARK 4, OLDENBURG
GERMANY

MPS Systems UK Ltd

MARKERFIELD WAY, WIGAN
UNITED KINGDOM

MPS Systems North America INC.

3291 SOUTH RIDGE ROAD, GREEN BAY, WI
USA

MPS Systems ASIA Sdn. Bhd.

3291 , KUALA LUMPUR
MALAYSIA

