



# Push to Stop: The new Speedmaster operating concept

Prinect User Days

Nick Trabold and Juergen Mittmann | Heidelberg, 15.11.2016



“Push to Stop”





365 days | 24 hours per day | 18.000 sheets per hour

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= 158 million sheets per year

= 100% Overall Equipment Effectiveness (OEE)

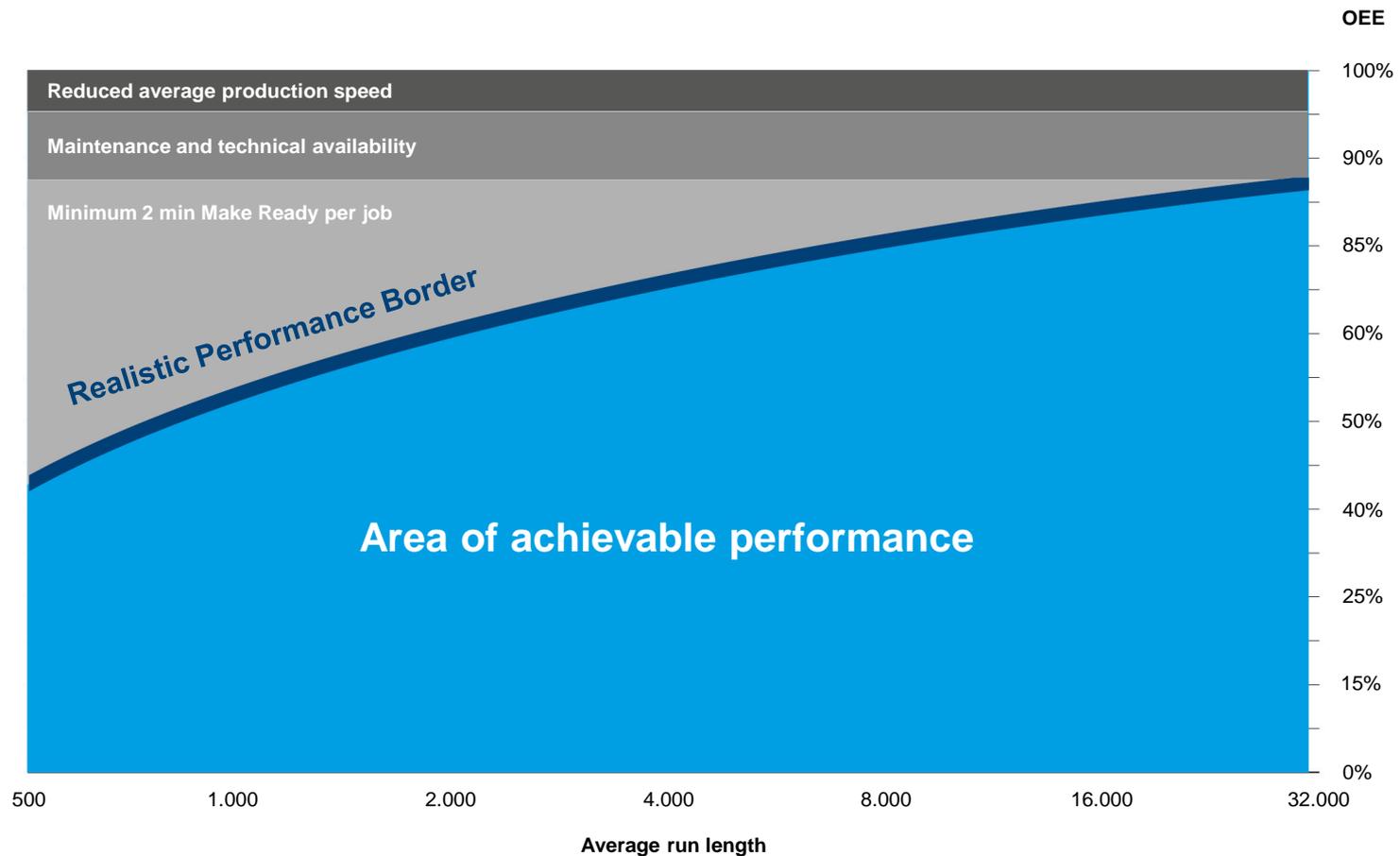
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# Overall Equipment Effectiveness.

## What Overall Equipment Effectiveness (OEE) is achievable?

100% OEE is not realistic – it makes sense to define an area of achievable performance

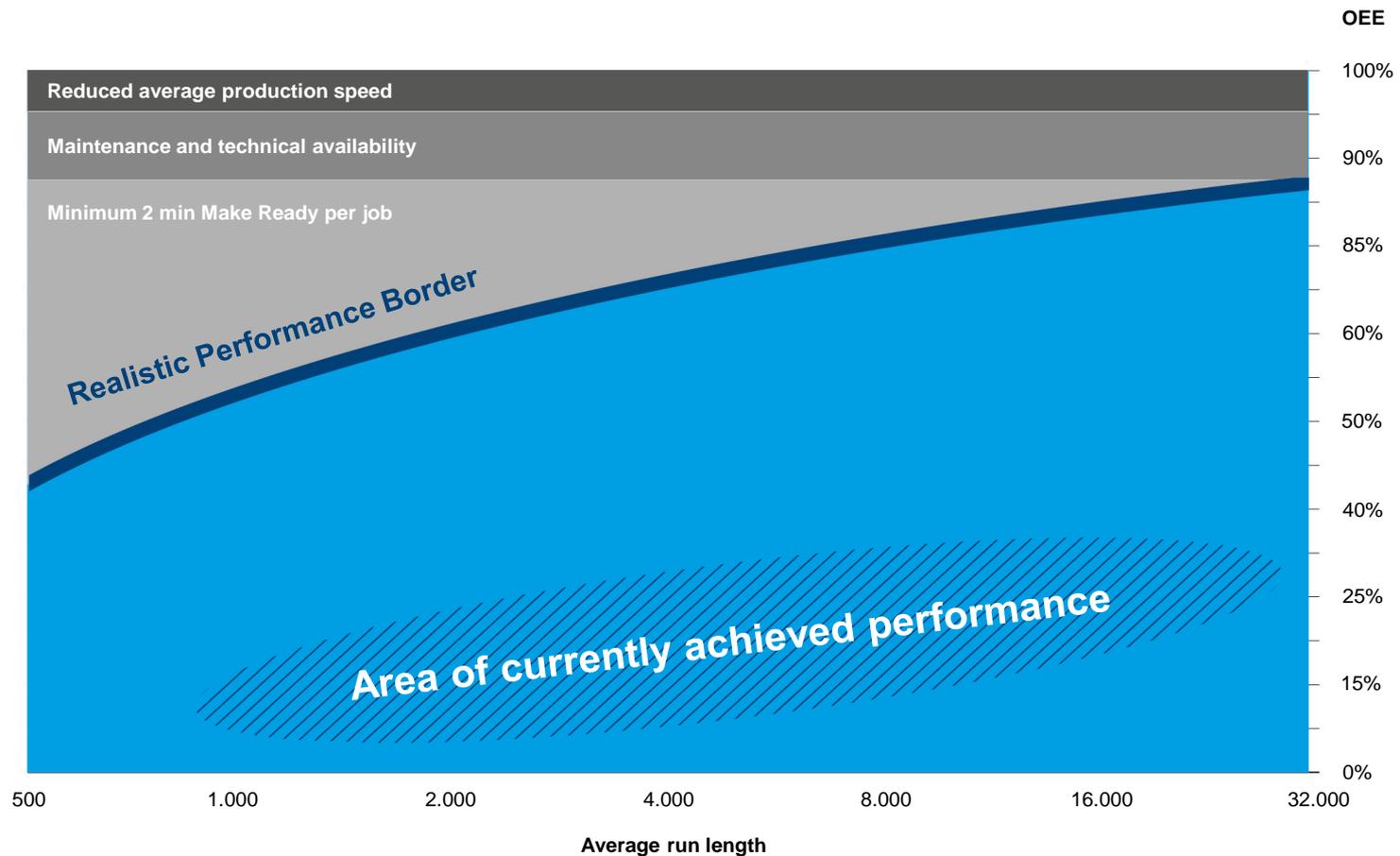




# Overall Equipment Effectiveness.

## Overall OEE today is at ~ 20-25%

There is still a lot of room for improvement

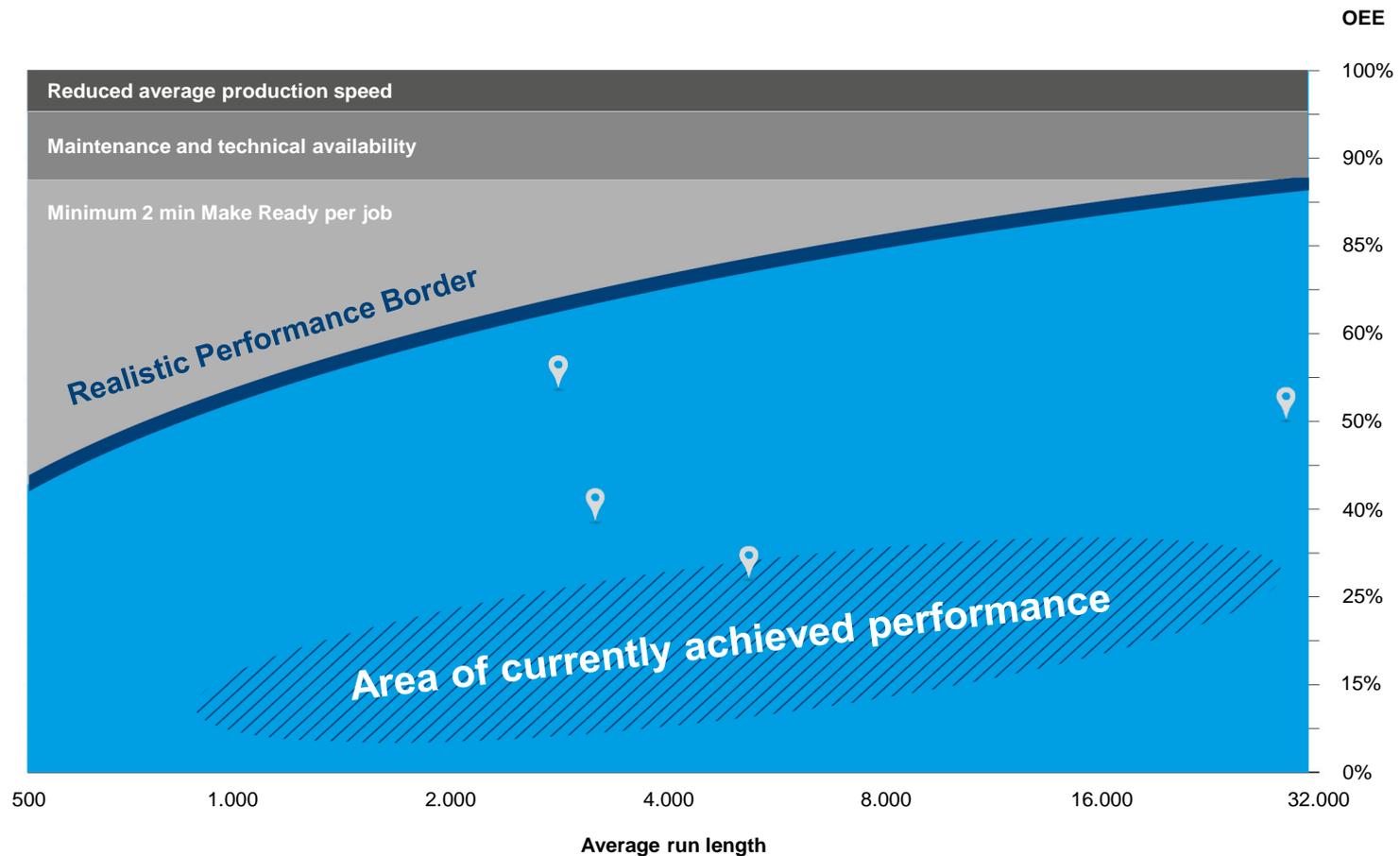




# Overall Equipment Effectiveness.

## The average OEE will double in the next 10 years

Some already utilize the potential - you can find them in the Get Inspired Campaign

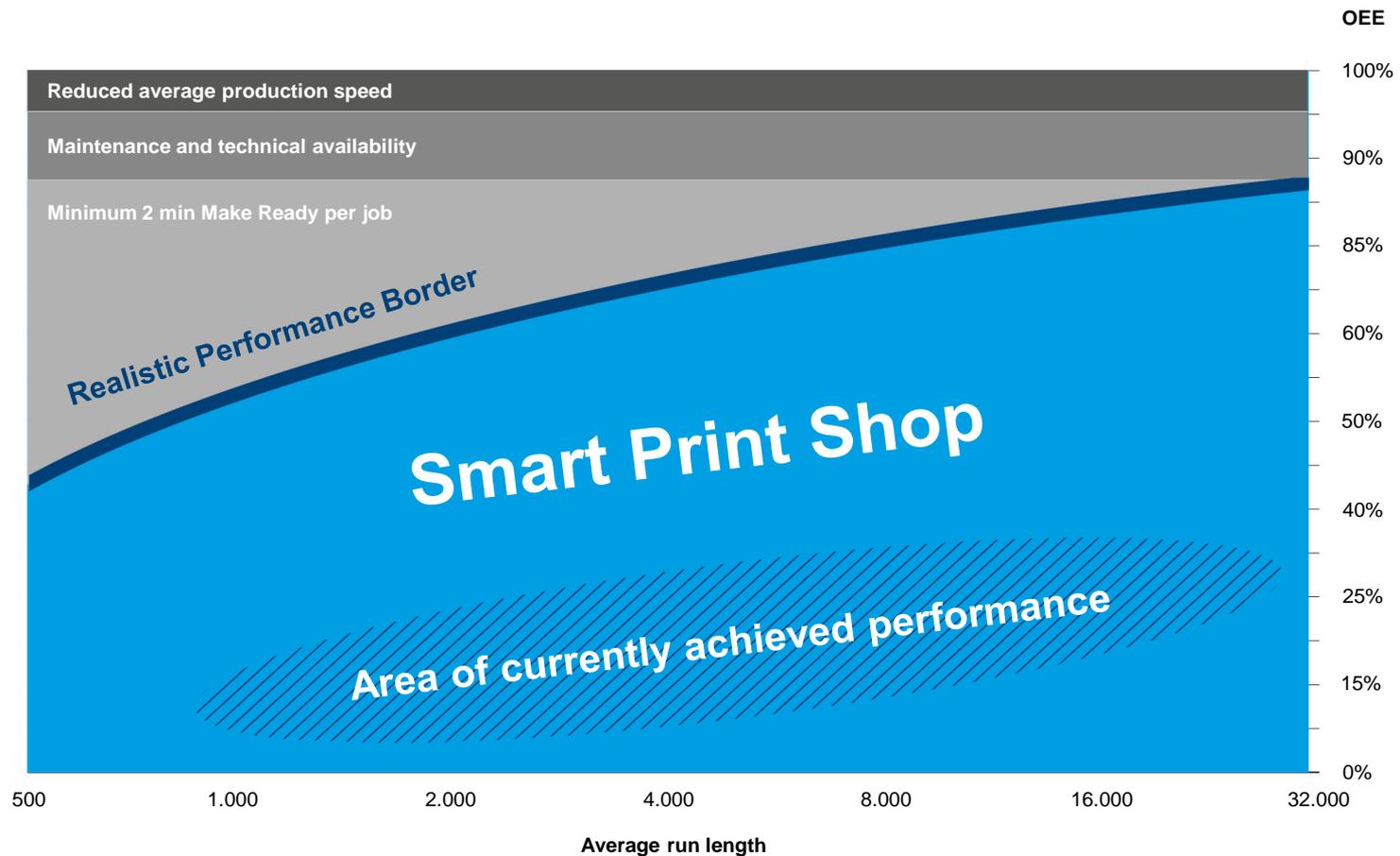




# Overall Equipment Effectiveness.

## Boosting OEE through automation and integration

Smart Print Shop: Improved OEE and Profitability

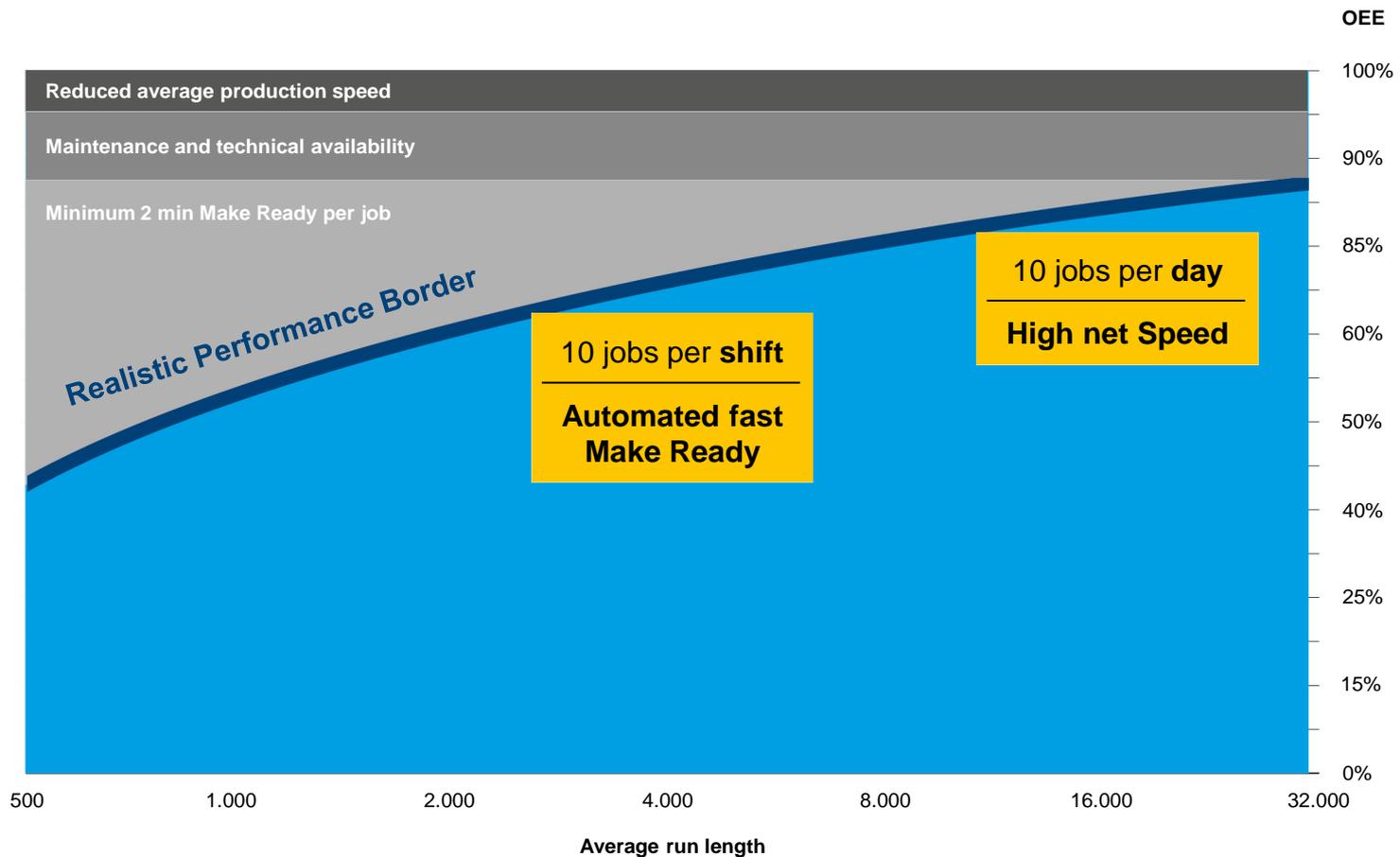




# Overall Equipment Effectiveness.

## Key parameters for boosting OEE in long runs

In the past 20 years we made quantum leaps in gaining productivity in medium and long runs

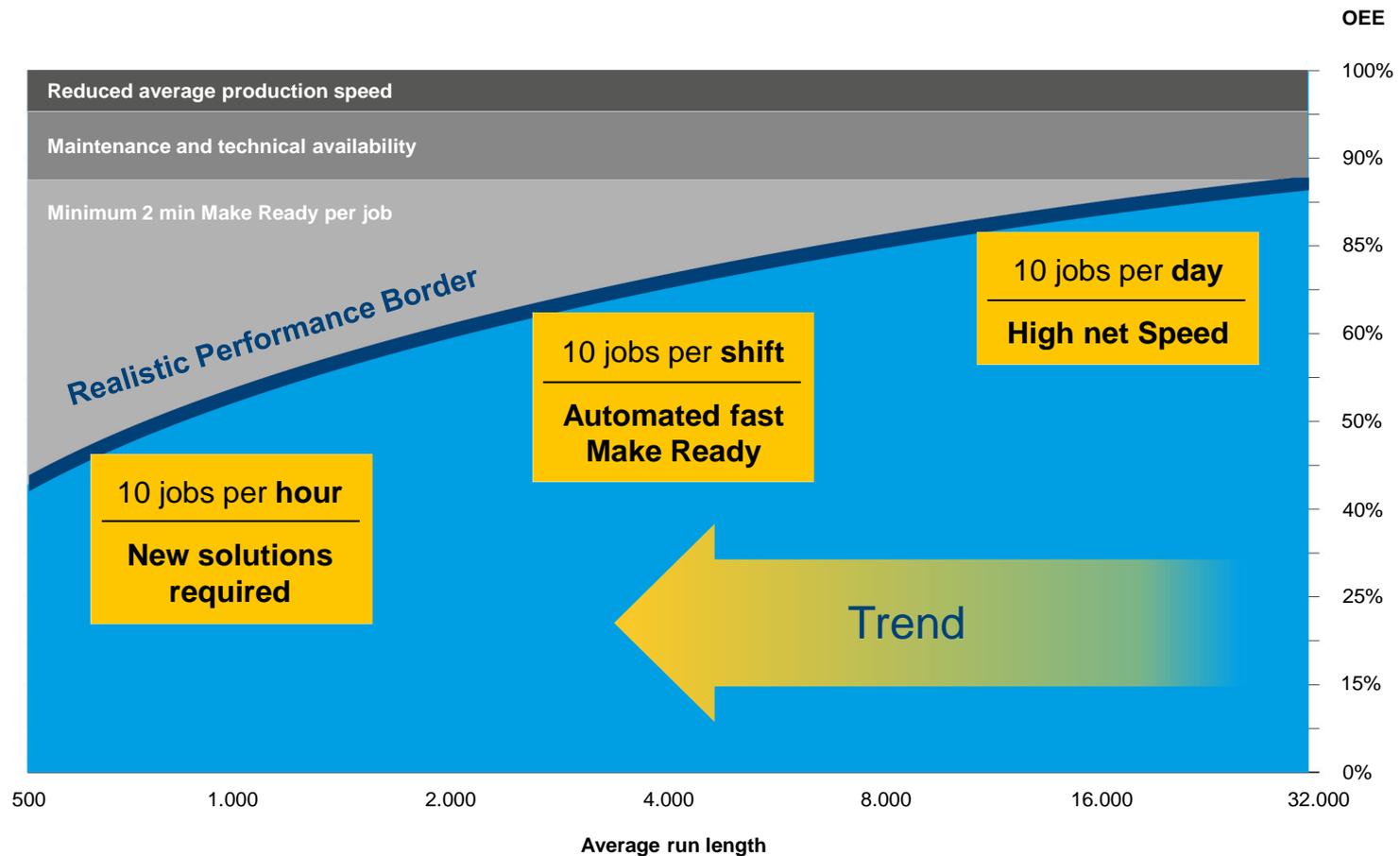




# Overall Equipment Effectiveness.

## The average run length will continue to decrease

Trend is to even shorter runs – a new way of thinking required





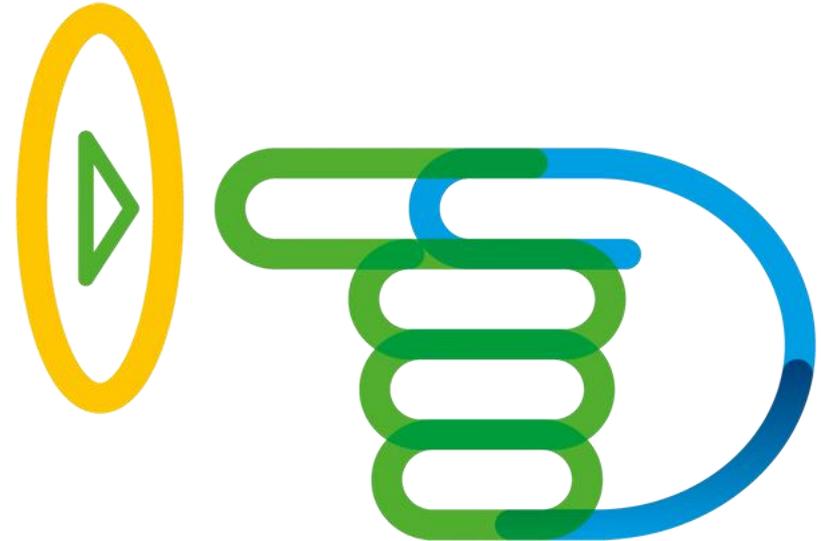
Overall Equipment Effectiveness.

**We have to change our mindset completely ...**

**Today**

We initiate processes and start them actively

**“Push to Start”**





Overall Equipment Effectiveness.

**We have to change our mindset completely ...**

**Paradigm change**

More process will run autonomous.  
We only interrupt if necessary.

“Push to Stop”



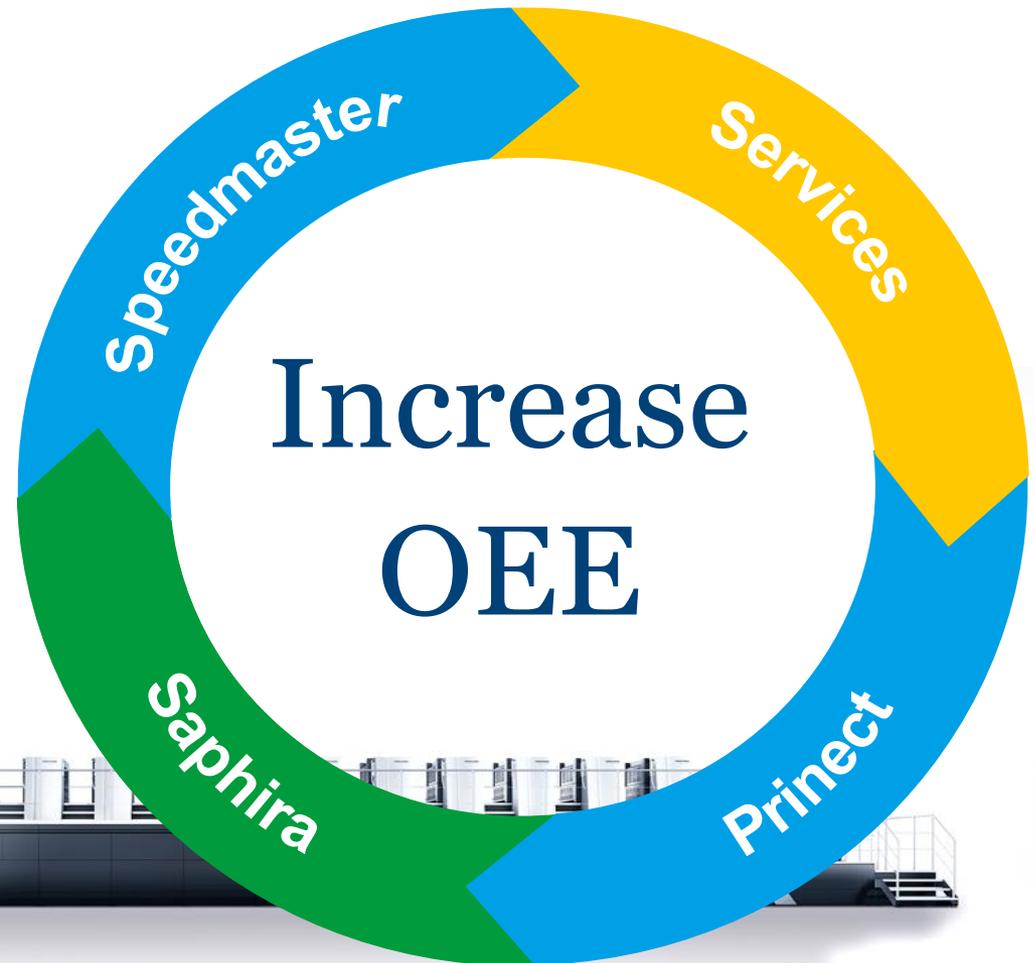


# Overall Equipment Effectiveness. Smart Print Shop and Push to Stop

Assumption:

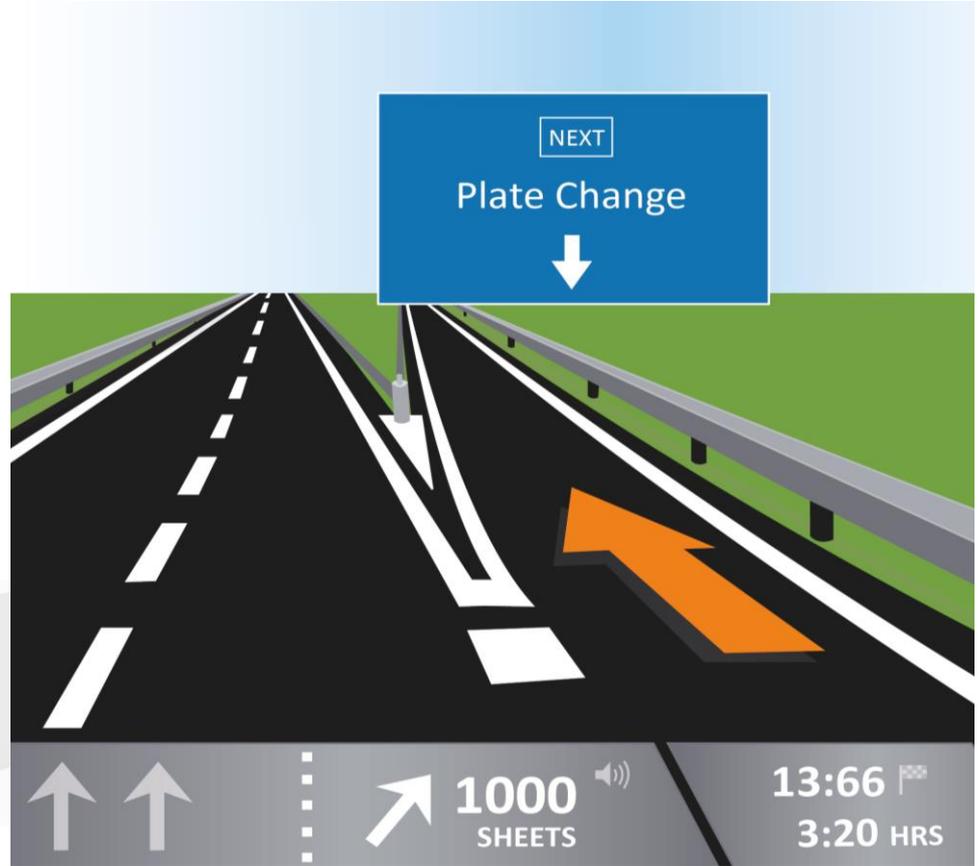
- The industry average OEE will double within the next 10 years.
- The trend to shorter and shorter runs will continue.

Heidelberg is the only supplier with a holistic approach to make this happen.





# Drupa 2016 – World Premiere. Intellistart 2 makes the difference



## Intelligent navigation und automation



# Intellistart 2 makes the difference.

## The four key functions

The screenshot displays the Heidelberg Intellistart 2 control interface. At the top, there are tabs for 'Auftrag', 'Produktion', 'Maschine', and 'myWallscreen'. The main area shows a 3D rendering of the printing press with eight color units (8, 7, 6, 5, 4, 3, 2, 1) and a progress bar for 'Intelliguide' at 0:31. Below this, the 'Bediener' (operator) section shows 'Intelliguide' with buttons for 'Auflage beenden', 'Gummituch', 'Ausspannen', and 'Ende Intellistart'. The 'Zeit: 0:31' is also displayed.

The 'Intellistart 2 - Job Queue' section lists three jobs:

- 803918\_Form2, XL106-8P\_Gang\_form\_Onlineprinter, 1 200 Bogen, 135 g/m<sup>2</sup> / Next Generation 12C, 750 x 1050 x 0,12 mm
- 803918\_Form1, XL106-8P\_Gang\_form\_Onlineprinter, 2 200 Bogen, 135 g/m<sup>2</sup> / Next Generation 12C, 750 x 1050 x 0,12 mm
- 803918\_Form3, XL106-8P\_Gang\_form\_Onlineprinter, 3 200 Bogen, 135 g/m<sup>2</sup> / Next Generation 12C, 750 x 1050 x 0,12 mm

The 'Intellistart 2 - Process View' section shows a grid of 8 columns (8-1) and 6 rows of functions:

- Ausspannen
- Einspannen
- Gummituch
- Druckzylinder
- Farbwerk
- Farbeinlauf
- Gummituch

The 'Auftragsspeicher' (job queue) section includes buttons for 'Eintrag löschen' and 'Produktion beenden'. The 'Information' section shows 'Auftragswechsel unterbrechen'.

The bottom status bar displays:

- 0 sheets printed, 18000 sheets remaining
- Job: 803918\_Form2, XL106-8P\_Gang\_form\_Onlineprinter
- Date: 13.09.2016, Time: 09:30:38
- Machine status: Leitstand 92, Druckwerk 1-8, Ausleger 70, Zentr. Einrichtung 90
- Alerts: Automatischer Plattenwechsel aus Intellistart aktiv, Druckfunktion vorgewählt, Stapelhöhensensor erkennt keinen Bedruckstoff, Plattenwechsel aktiv



# Intellistart 2 makes the difference.

## The four key functions

The screenshot displays the Heidelberg Intellistart 2 control interface. At the top, there are tabs for 'Auftrag', 'Produktion', 'Maschine', and 'myWallscreen'. The main area shows a 3D rendering of the printing press with eight color units (8, 7, 6, 5, 4, 3, 2, 1) and a progress bar for 'Intelliguide' at 0:31. Below this, there are buttons for 'Bediener', 'Intelliguide', 'Auflage beenden', 'Gummituch', 'Ausspannen', and 'Ende Intellistart'. The 'Zeit: 0:31' is displayed.

The 'Intellistart 2 - Job Queue' panel shows three jobs:

- 803918\_Form2: XL106-8P\_Gang\_form\_Onlineprinter, 200 Bogen, 135 g/m<sup>2</sup> / Next Generation 12C, 750 x 1050 x 0,12 mm
- 803918\_Form1: XL106-8P\_Gang\_form\_Onlineprinter, 200 Bogen, 135 g/m<sup>2</sup> / Next Generation 12C, 750 x 1050 x 0,12 mm
- 803918\_Form3: XL106-8P\_Gang\_form\_Onlineprinter, 200 Bogen, 135 g/m<sup>2</sup> / Next Generation 12C, 750 x 1050 x 0,12 mm

The 'Intellistart 2 - Process View' panel shows a grid of 8 columns and 6 rows of icons representing different process steps: 'Ausspannen', 'Einspannen', 'Gummituch', 'Druckzylinder', 'Farbwerk', 'Farbeinlauf', and 'Gummituch'. The status of each step is indicated by green or grey icons.

The bottom status bar shows 'Job Queue' with a count of 200, a date of 13.09.2016, and a time of 09:30:38. It also includes a list of system messages:

- Automatischer Plattenwechsel aus Intellistart aktiv
- Druckfunktion vorgewählt, ohne dass eine Platte eingespannt ist
- Stapelhöhenensor erkennt keinen Bedruckstoff
- Plattenwechsel aktiv

On the right side, there is a 'Quality Assist' panel with 'Intelliguide' at 0:31, 'Farbprofile', 'Bogenbremse', 'Abstimmbogen', 'myPress', 'myCustomer', and 'Maschine'. At the bottom right, there is a 'Notizen (0)' section and a status table:

Leitstand	92
Druckwerk	1-8
Ausleger	70
Zentr. Einrichtung	90

*It is now possible to prepare and release up to 30 jobs during the current production run!*



# Intellistart 2 makes the difference.

## The four key functions

The screenshot displays the Heidelberg Intellistart 2 control interface. At the top, there are tabs for 'Auftrag', 'Produktion', 'Maschine', and 'myWallscreen'. The main area shows a 3D rendering of the printing press with various units labeled 1 through 8. Below this, there are control buttons for 'Intelliguide', 'Aufflage beenden', 'Gummituch', 'Ausspannen', and 'Ende Intellistart'. A progress bar indicates 'Zeit: 0:31'. The interface is divided into two main panels: 'Intellistart 2 - Job Queue' on the left and 'Intellistart 2 - Process View' on the right. The Job Queue panel shows a list of jobs with details like '803918\_Form2', 'XL106-8P\_Gang\_form\_Onlineprinter', '200 Bogen', '135 g/m² / Next Generation 12C', and '750 x 1050 x 0,12 mm'. The Process View panel shows a matrix of 8 columns (labeled 8 to 1) and 6 rows of controls, including 'Ausspannen', 'Einspannen', 'Gummituch', 'Druckzylinder', 'Farbwerk', 'Farbeinlauf', and 'Gummituch'. A status bar at the bottom shows 'Job Queue' and 'Process View' labels, along with a 'Job Queue' button and a 'Process View' button. The status bar also displays '200 0', '13.09.2016 09:30:38', and 'Information'.

**Job Queue**

**Process View**

It is now possible to prepare and release up to 30 jobs during the current production run!

All relevant make-ready steps will be calculated automatically and visualized for each printing unit in a matrix!



# Intellistart 2 makes the difference.

## The four key functions

**Intelliguide**  
*It is now possible to visualize the whole make-ready process, the green progression bar offers the press status!*

**Job Queue**  
*It is now possible to prepare and release up to 30 jobs during the current production run!*

**Process View**  
*All relevant make-ready steps will be calculated automatically and visualized for each printing unit in a matrix!*

The screenshot displays the Heidelberg Intellistart 2 control interface. At the top, there are tabs for 'Auftrag', 'Produktion', 'Maschine', and 'myWallscreen'. The main area is divided into three primary sections: 'Intelliguide' at the top, 'Job Queue' on the left, and 'Process View' on the right. The 'Intelliguide' section features a green progress bar and a 'Bediener' (operator) status bar. The 'Job Queue' section lists three jobs with their respective details and color calibration charts. The 'Process View' section shows a matrix of steps for each printing unit (1-8), including 'Ausspannen', 'Einspannen', 'Gummituch', 'Druckzylinder', 'Farbwerk', 'Farbeinlauf', and 'Gummituch'. A right-hand sidebar contains various system settings and status indicators, including 'Quality Assist', 'Intelliguide' (0:31), 'Farbprofile', 'Bogenbremse', 'Abstimmbogen', 'myPress', 'myCustomer', and 'Maschine'. The bottom status bar shows '200 0' jobs, the date '13.09.2016', and the time '09:30:38'. A legend at the bottom right explains the status of the automatic plate change and the recognition of the make-ready process.



# Intellistart 2 makes the difference.

## The four key functions

**Intelliguide**  
*It is now possible to visualize the whole make-ready process, the green progression bar offers the press status!*

**Quality Assist**  
*It is now possible with Inpress Control 2 to turn on the good sheet counter fully automatic and mark the good sheets with the tap inserter option InsertStar after the quality parameters are within the required standard!*

**Job Queue**  
*It is now possible to prepare and release up to 30 jobs during the current production run!*

**Process View**  
*All relevant make-ready steps will be calculated automatically and visualized for each printing unit in a matrix!*

**Job Queue Details:**

Job ID	Job Name	Quantity	Material	Dimensions
803918_Form2	XL106-8P_Gang_form_Onlineprinter	200 Bogen	135 g/m <sup>2</sup> / Next Generation 12C	750 x 1050 x 0,12 mm
803918_Form1	XL106-8P_Gang_form_Onlineprinter	200 Bogen	135 g/m <sup>2</sup> / Next Generation 12C	750 x 1050 x 0,12 mm
803918_Form3	XL106-8P_Gang_form_Onlineprinter	200 Bogen	135 g/m <sup>2</sup> / Next Generation 12C	750 x 1050 x 0,12 mm

**Process View Matrix:**

Step	Unit 8	Unit 7	Unit 6	Unit 5	Unit 4	Unit 3	Unit 2	Unit 1	Action
Ausspannen	✓	✓	✓	✓	✓	✓	✓	✓	✗
Einspannen	○	○	○	○	○	○	○	○	✗
Gummituch	○	○	○	○	○	○	○	○	✗
Druckzylinder	□	□	□	□	□	□	□	□	✗
Farbwerk	□	□	□	□	□	□	□	□	✗
Farbeinlauf	□	□	□	□	□	□	□	□	▶
Gummituch	✓	✓	✓	✓	✓	✓	✓	✓	▶

**Quality Assist Status:**

Parameter	Status
Automatischer Plattenwechsel aus Intellistart aktiv	✓
Druckfunktion vorgewählt, ohne dass eine Platte eingespannt ist	✓
erkennt keinen Bedruckstoff	✗

**Production Status:**

Parameter	Value
Leitstand	92
Druckwerk	1-8
Ausleger	70
Zentr. Einrichtg.	90



# Intellistart 2 makes the difference.

## The four key functions

The screenshot displays the Heidelberg Intellistart 2 control interface. At the top, there are tabs for 'Auftrag', 'Produktion', 'Maschine', and 'myWallscreen'. The main area shows a 3D rendering of the printing press with color units labeled 8 (Y), 7 (M), 6 (C), 5 (B), 4 (Y), 3 (M), 2 (C), and 1 (B). A blue callout box labeled '3. Intelliguide' points to the press rendering. Below this, a 'Bediener' (operator) status bar shows 'Intelliguide' and 'Aufgabe beenden' buttons, along with a progress bar for 'Einspannen' and 'Ende Intellistart'. The interface is divided into four main sections:

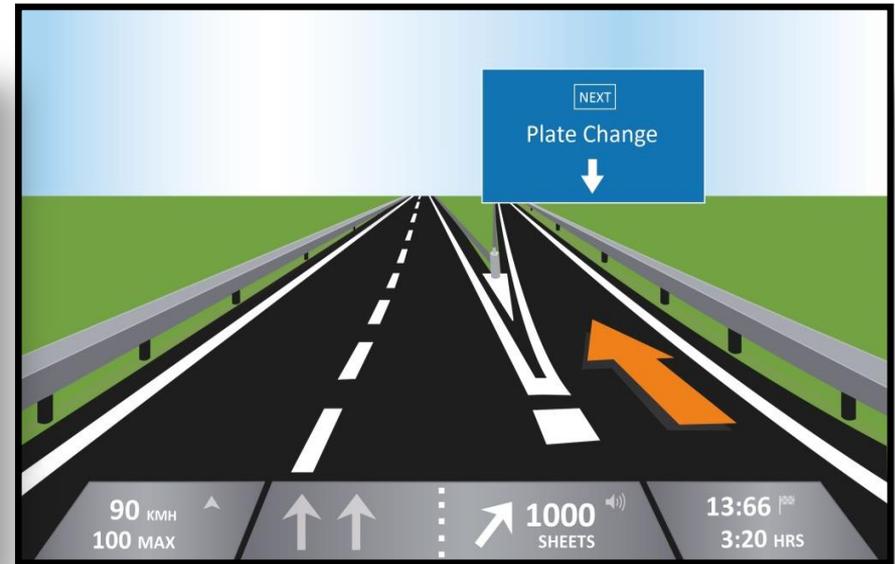
- 1. Job Queue:** A list of three jobs, each with a thumbnail and details: '803918\_Form2', '803918\_Form1', and '803918\_Form3'. Each job is for '200 Bogen' (200 sheets) on 'Next Generation 12C' paper (135 g/m², 750 x 1050 x 0,12 mm).
- 2. Process View:** A grid of 8 columns (1-8) and 8 rows of controls for each color unit. The controls include 'Ausspannen', 'Einspannen', 'Gummituch', 'Druckzylinder', 'Farbwerk', 'Farbeinlauf', and 'Gummituch'.
- 3. Intelliguide:** A 3D rendering of the press with color units labeled 8 (Y), 7 (M), 6 (C), 5 (B), 4 (Y), 3 (M), 2 (C), and 1 (B).
- 4. Quality Assist:** A sidebar on the right with 'Intellistart 2 - Quality Assist' header and various settings: 'Farbprofile', 'Bogenbremse', 'Abstimmbogen', 'myPress', 'myCustomer', 'Maschine', and 'Notizen (0)'. At the bottom right, there is a status bar with 'Information' and 'Auftragswechsel unterbrechen' buttons.

At the bottom of the interface, there is a status bar with '200' sheets remaining, '803918\_Form2' job name, '13.09.2016 09:30:38' timestamp, and 'Leitstand 92', 'Druckwerk 1-8', 'Ausleger 70', and 'Zentr. Einrichtg. 90'.

Intellistart 2 drives the whole make ready process and even starts the production!



# Push to Stop. Autonomous and navigated printing



## New Intellistart 2 with Quality Assist

- Executes autonomously the fastest makeready strategy
- Operator-independent and predictable

## New Intellistart 2 with Intelliguide

- Calculates the fastest make ready strategy
- Guides the operator through the individual steps on the press



# Push to Stop – for commercial standardized printing.

## Unique autonomous printing functionality

**Job** | **Production** | **Machine** | **myWallscreen** | **HEIDELBERG**

Operator  
Intelliguide | End pressrun | Blanket | Remove | Mount | End IntelliStart  
Time: 1:15

**IntelliStart 2 - Job Queue**

- 803918\_Form1  
XL106-8P\_Gang\_form\_Onlineprinter  
1 200 Sheet  
135 g/m<sup>2</sup> / Next Generation 12C  
750 x 1050 x 0.12 mm
- 803918\_Form3  
XL106-8P\_Gang\_form\_Onlineprinter  
2 200 Sheet  
135 g/m<sup>2</sup> / Next Generation 12C  
750 x 1050 x 0.12 mm

**IntelliStart 2 - Process View**

	8	7	6	5	4	3	2	1	
Remove	<input checked="" type="checkbox"/>	<input type="checkbox"/>							
Mount	<input checked="" type="checkbox"/>	<input type="checkbox"/>							
Blanket	<input checked="" type="checkbox"/>	<input type="checkbox"/>							
Impression cylinder	<input type="checkbox"/>	<input type="checkbox"/>							
Inking unit	<input type="checkbox"/>	<input type="checkbox"/>							
Preinking	<input type="checkbox"/>	<input type="checkbox"/>							
Blanket	<input checked="" type="checkbox"/>	<input type="checkbox"/>							

Job memory | Delete item | Finish production | Job description | Information | Start job change

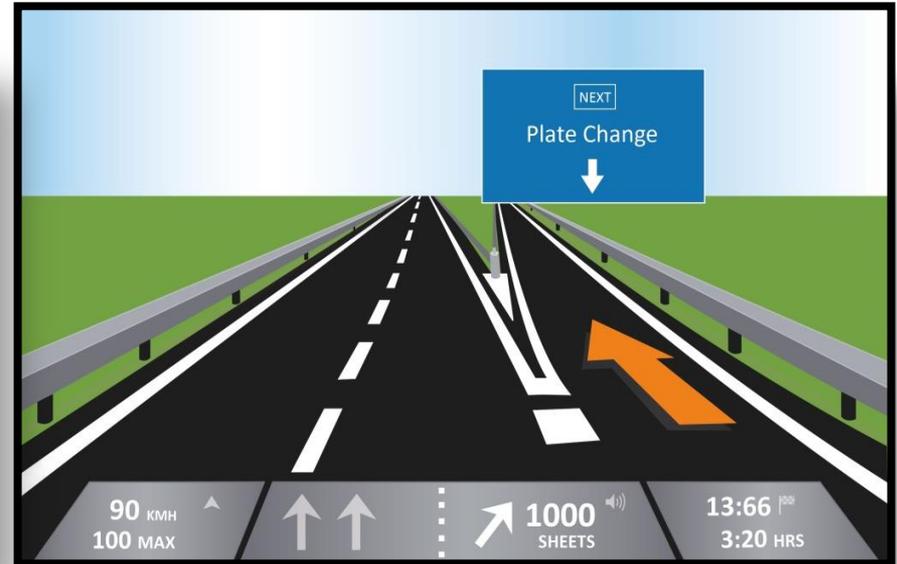
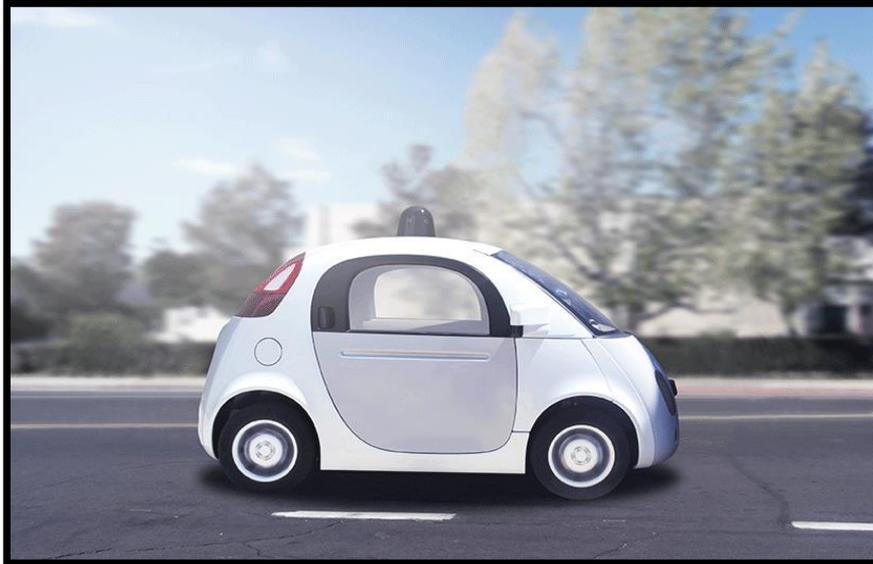
200  
48  
18000  
803918\_Form2  
XL106-8P\_Gang\_form\_Onlineprinter  
13.09.2016  
09:31:56

● Pile height sensor does not detect any printing material  
● Production  
● Paper run is switched on  
● Setting of the impression cylinder jackets not plausible

Delivery 70  
Central devices 90  
Central devices 90  
Central devices 90



# Push to Stop. Autonomous and navigated printing



## New Intellistart 2 with Quality Assist

- Executes autonomously the fastest makeready strategy
- Operator-independent and predictable

## New Intellistart 2 with Intelliguide

- Calculates the fastest make ready strategy
- Guides the operator through the individual steps on the press



# Push to Stop – for packaging printing.

## Smart navigating through complex processes

**Instructions for the operator!**

**Job** | **Production** | **Machine** | **myWallscreen** | **HEIDELBERG**

Operator: **Fill in new ink**

Intelliguide: **Blanket and impression cylinder** | **Remove** | **Mount** | **Change coating plate** | **End Intellistart**

Time: 2:44 | **Inking unit** | **Preinking**

**Intellistart 2 - Job Queue**

- 301608-1  
Inspection\_For\_you\_Box/FB 001 6/-/E...  
1 300 Sheet  
135 g/m<sup>2</sup> / Next Generation 12C  
750 x 1050 x 0,10 mm
- XL105\_Job 1  
38797\_Country\_Poster\_6\_0/Sheet\_1  
2 66 Sheet  
135 g/m<sup>2</sup> / Next Generation 12C  
700 x 1000 x 0,10 mm
- XL105\_Job 2  
48929\_Loire\_Castle\_4\_0/Sheet\_1  
3 55 Sheet  
200 g/m<sup>2</sup> / Next Generation 12C  
500 x 700 x 0,20 mm

**Intellistart 2 - Process View**

Station	10	9	8	7	6	5	4	3	2	1	Action	
Remove	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Remove						
Mount	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mount						
Blanket	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Blanket
Impression cylinder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Impression cylinder
Inking unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inking unit
Preinking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Preinking
Blanket	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Blanket

**Job memory** | **Delete item** | **Finish production** | **Information** | **Interrupt job change**

300 | 18000 | 3000 | 301608-1 | PL\_Inspection\_For\_you\_Box/FB 001 6/-/Einzelformj | 06.10.2016 | 12:56:59

Automatic plate change active via Intellistart  
Fill in new ink  
Fill in new ink  
Pile support plate not completely down

Control station 92  
Printing unit 6  
Printing unit 1  
Feeder 60



# Push to Stop – for packaging printing. Smart navigating through complex processes

The screenshot displays the Heidelberg Intellistart 2 control interface. At the top, there are tabs for 'Job', 'Production', 'Machine', and 'myWallscreen'. The main area shows a 10-color printing process with various status bars and job details. A blue callout box highlights the progress of each process.

**Job Details:**

- 301608-1  
Inspection\_For\_you\_Box/FB 001 6/-/E...
- 1 300 Sheet  
135 g/m<sup>2</sup> / Next Generation 12C  
750 x 1050 x 0,10 mm
- XL105\_Job 1  
38797\_Country\_Poster\_6\_0/Sheet\_1
- 2 66 Sheet  
135 g/m<sup>2</sup> / Next Generation 12C  
700 x 1000 x 0,10 mm
- XL105\_Job 2  
48929\_Loire\_Castle\_4\_0/Sheet\_1
- 3 55 Sheet  
200 g/m<sup>2</sup> / Next Generation 12C  
500 x 700 x 0,20 mm

**Intellistart 2 - Process View:**

10	9	8	7	6	5	4	3	2	1	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Remove						
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mount						
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Blanket
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Impression cylinder
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inking unit
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Preinking
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Blanket

**Intellistart 2 - Job Queue:**

- 301608-1  
Inspection\_For\_you\_Box/FB 001 6/-/E...
- 1 300 Sheet  
135 g/m<sup>2</sup> / Next Generation 12C  
750 x 1050 x 0,10 mm
- XL105\_Job 1  
38797\_Country\_Poster\_6\_0/Sheet\_1
- 2 66 Sheet  
135 g/m<sup>2</sup> / Next Generation 12C  
700 x 1000 x 0,10 mm
- XL105\_Job 2  
48929\_Loire\_Castle\_4\_0/Sheet\_1
- 3 55 Sheet  
200 g/m<sup>2</sup> / Next Generation 12C  
500 x 700 x 0,20 mm

**Intellistart 2 - Process View:**

The progress of each process is displayed! Intellistart 2 navigates the operator through the individual steps on the press.

**Job memory:** Delete item, Finish production

**System Information:**

- 300
- 18000
- 101.7
- 301608-1
- PI\_Inspection\_For\_you\_Box/FB 001 6/-/Einzelformj
- 06.10.2016
- 12:59:28

**Control Station:**

- Control station 92
- Feeder 60
- Dryer 90
- Central devices 90

**Automatic plate change active via Intellistart**

- Automatic plate change active via Intellistart
- Pile support plate not completely down
- Drying zones in dryer unit not recognized (no blast air for sheet ...)
- Plate change active



# Prinect Workflow as the key component.

## Jobs on the way into the Job Queue

### Job Queue:

Here you can find the jobs, which are already prepared and released for the job production in sequence as planned.

### Job list:

Here you can see all the jobs coming from your workflow which can be prepared and printed on the press.

**After they are prepared and released they will be stored in the Job Queue!**

The screenshot displays the 'Intellistart 2 - Job Queue' window. It features a preview of a newspaper page with technical specifications: 'Garpa Newspaper Content 1', '5000 Bg', 'Scheuffelen 135gr/m²', '750 x 1050 x 0,10 mm', and '20.09.2014 / 09:30'. Below the preview is a table of jobs. The table has columns for 'Name', '630', '880', '120.0', and 'Farbreihenfolge'. The jobs listed include 'A-2004\_5\_Broschur I...', 'BIRD Infomarkt Bros...', 'A-2004\_5\_Broschur I...', 'Broschuere', 'BIRD Infomarkt Bros...', 'Broschuere', 'VilleroyBoch-Varnish...', '902307-1', 'PD-99111 Barcodeun...', 'ArtikelNummer.1', and 'ArtikelNummer'. The interface also shows 'Intellistart 2', 'Teilauftrag laden', and 'HEIPC85753'.

Name	630	880	120.0	Farbreihenfolge
A-2004_5_Broschur I...	630	880	120.0	Yellow, Cyan, Magenta, Black
BIRD Infomarkt Bros...	630	880	120.0	Yellow, Cyan, Magenta, Black
A-2004_5_Broschur I...	630	880	120.0	Yellow, Cyan, Magenta, Black
Broschuere	630	880	120.0	Yellow, Cyan, Magenta, Black
A-2004_5_Broschur I...	630	880	120.0	Yellow, Cyan, Magenta, Black
BIRD Infomarkt Bros...	630	880	120.0	Yellow, Cyan, Magenta, Black
Broschuere	630	880	120.0	Yellow, Cyan, Magenta, Black
Broschuere	630	880	120.0	Yellow, Cyan, Magenta, Black
VilleroyBoch-Varnish...	700	1000	115.0	Yellow, Cyan, Magenta, Black
902307-1	720	1020	260.0	Yellow, Cyan, Magenta, Black
PD-99111 Barcodeun...	720	1040	100.0	Yellow, Cyan, Magenta, Black
ArtikelNummer.1	740	1020	300.0	Yellow, Cyan, Magenta, Black
ArtikelNummer	740	1020	300.0	Yellow, Cyan, Magenta, Black



# Prinect Workflow as the key component. Job preparation at the Wallscreen XL

Job
Production
Machine
myWallscreen
HEIDELBERG

Name	Width	Height	Length	Color Order
A-2004_5_Broschur L...	630	880	120.0	[Color bars]
Broschuere	630	880	120.0	[Color bars]
Broschuere	630	880	120.0	[Color bars]
Broschuere	630	880	120.0	[Color bars]
A-2004_5_Broschur L...	630	880	120.0	[Color bars]
A-2004_5_Broschur L...	630	880	120.0	[Color bars]
BiRD Infomarkt Bros...	630	880	120.0	[Color bars]
BiRD Infomarkt Bros...	630	880	120.0	[Color bars]
VillerooyBoch-Vamish...	700	1000	115.0	[Color bars]
802307-1	720	1020	260.0	[Color bars]
PD-99111 Barcodeun...	720	1040	100.0	[Color bars]
ArtikelNummer	740	1020	300.0	[Color bars]
ArtikelNummer.1	740	1020	300.0	[Color bars]

**Job description**

Number: A-2004\_5\_Broschur Infomarkt

Name: A-2004\_5\_Broschur Infomarkt

Work step name: \_002 4/4

Customer: Testlab FEZ

Date:

Quantity: 15000

Planned Waste: 245

Production speed: 18000

Start:

End:

Notes:

Quality: Uncoated

Sheet size: 630 x 880 x 0.10 mm

Grammage: 120 g/m<sup>2</sup>

Pull side: O.S.

Printing material: ungestrichen 120g 88x63cm BB

Grain Direction: Short grain

Air Assistant

Preserve machine settings

Quality Assist

Intelliguide

Notizen (3)

Intellistart 2
Load Job Part
HEIPC85753

200

12000

296.6

LLLLLLLLLL

14.09.2016

10:44:12

B-2004\_3

BiRD Infomarkt Broschüre/\_002 4/4

Testlab FEZ

Central devices 90

Feeder 60

Feeder 60

Feeder 60

- Setting of the impression cylinder jackets not plausible
- Pile stop D.S.: adjusting limit reached
- Pile support plate: adjusting limit reached
- Pile support frame: adjusting limit reached



# Prinect Workflow as the key component. Releasing jobs with 2 clicks possible

**Job information for preparation:**

- Checking job data from workflow
- Loading jobs into the “Job Queue” by releasing ready jobs with two clicks

Name	Width	Height	Length	Color Order
A-2004_5_Broschur L...	630	880	120.0	[Color icons]
Broschuere	630	880	120.0	[Color icons]
Broschuere	630	880	120.0	[Color icons]
Broschuere	630	880	120.0	[Color icons]
A-2004_5_Broschur L...	630	880	120.0	[Color icons]
A-2004_5_Broschur L...	630	880	120.0	[Color icons]
BiRD Infomarkt Bros...	630	880	120.0	[Color icons]
BiRD Infomarkt Bros...	630	880	120.0	[Color icons]
VilleroyBoch-Vamish...	700	1000	115.0	[Color icons]
802307-1	720	1020	260.0	[Color icons]
PD-99111 Barcodeun...	720	1040	100.0	[Color icons]
Artikelnummer	740	1020	300.0	[Color icons]
Artikelnummer.1	740	1020	300.0	[Color icons]

**Job description**

Number: A-2004\_5\_Broschur Infomarkt  
Name: A-2004\_5\_Broschur Infomarkt  
Work step name: \_002 4/4  
Customer: Testlab FEZ  
Date: [blank]  
Quantity: 15000  
Planned Waste: 245  
Production speed: 18000

Start: [blank]  
End: [blank]

Notes: [blank]

Quality: Uncoated

Sheet size: 630 x 880 x 0.10 mm  
Grammage: 120 g/m<sup>2</sup>  
Pull side: O.S.

Printing material ungestrichen 120g 88x63cm BB  
Grain Direction: Short grain  
Air Assistant: [blank]

Intellistart 2 | Load Job Part | HEIPC85753 |  Preserve machine settings | Save job | Release job

200 | 12000 | 296.6  
B-2004\_3  
BiRD Infomarkt Broschüre/\_002 4/4  
Testlab FEZ  
LLLLLLLLLL  
14.09.2016  
10:44:12

Setting of the impression cylinder jackets not plausible  
Pile stop D.S.: adjusting limit reached  
Pile support plate: adjusting limit reached  
Pile support frame: adjusting limit reached

Central devices 90  
Feeder 60  
Feeder 60  
Feeder 60



# Prinect Workflow as the key component. Less job information available

The screenshot displays the Prinect workflow interface for a job configuration. The interface is divided into several sections:

- Header:** Includes tabs for 'Auftrag', 'Produktion', 'Maschine', and 'myWallscreen', along with the 'HEIDELBERG' logo.
- Job Information Table:** A table with columns for 'Geplante Reihe...', 'Status', 'Wiederholauftrag', 'Nummer', and 'Name'. The selected row shows '242', 'NexusPagef', and 'PB028818'.
- Left Panel:** Contains the text 'PPF Workflow data!' in green and 'Current press settings, no workflow data!' in blue.
- Order Description (Auftragsbeschreibung):** A form with fields for 'Nummer', 'Name', 'Arbeitsgang', 'Kunde', 'Datum', 'Auflage', 'Druckzuschuss', and 'Einrichtegeschwindigkeit' (set to 5000).
- Color Management:** A section with 'Y M C B' color bars and a 'Notizen (0)' button.
- Quality and Material Settings:** A table with columns for 'Qualität', 'Glänzend gestrichen', 'Papierweiß', 'Format', 'Grammatur', and 'Ziehseite'. The settings include 'Glänzend gestrichen', 'Papierweiß', '680 x 960 x 0,13 mm', '0 g/m²', and 'A.S.'.
- Footer:** Includes 'Intellistart 2', 'Teilauftrag laden', 'HEIPC86050-4...', '1/382', 'Maschineneinstellungen beibehalten', 'Auftrag speichern', and 'Auftrag freigeben'.



# Prinect Workflow as the key component.

## Full integration offers you all job data at a glance

**Auftrag**    **Produktion**    **Maschine**    **myWallscreen**    **HE**

Geplante Reihe	Status	Wiederholauftrag	Nummer	Name
2			301441_4_4_CON	Komma
3			301441_4_4_CON	Komma
4			301441_4_4_CON	Komma
84			Fuji_2010_	001_XV
85			Fuji_o-Pap	001_XV
315			axel_24	030178
316			axel_25	030178
317			axel_26	030178
318			axel_27	030178
319			axel_28	030178
320			axel_29	030178
321			axel_30	030178
322			axel_31	030178

**Auftragsbeschreibung**

Nummer	301441_4_4_CON
Name	Komma_ID_Brochure_4_4_CON
Arbeitsgang	_001 4/4
Kunde	Augustin WSP
Datum	04.04.2016
Auflage	1035
Druckzuschuss	92
Einrichtegeschwindigkeit	5000
Beginn	06.04.2016 16:07
Ende	06.04.2016 16:33
Notizen	Notice from MIS for printing!

Qualität	Ungestrichen	Qualität	Ungestrichen
Papierweiß	Papierweiß		
Format	630 x 880 x 0,10 mm	Bedruckstoff	ungestrichen120g 88x63cm BB
Grammatur	120 g/m²	Laufrichtung	Schmalbahn
Ziehseite	A.S.	Air Assistant	

Intellistart 2    Teilauftrag laden    HEIPC86050-...    13/382

Maschineneinstellungen beibehalten    Auftrag speichern    Auftrag freigeben

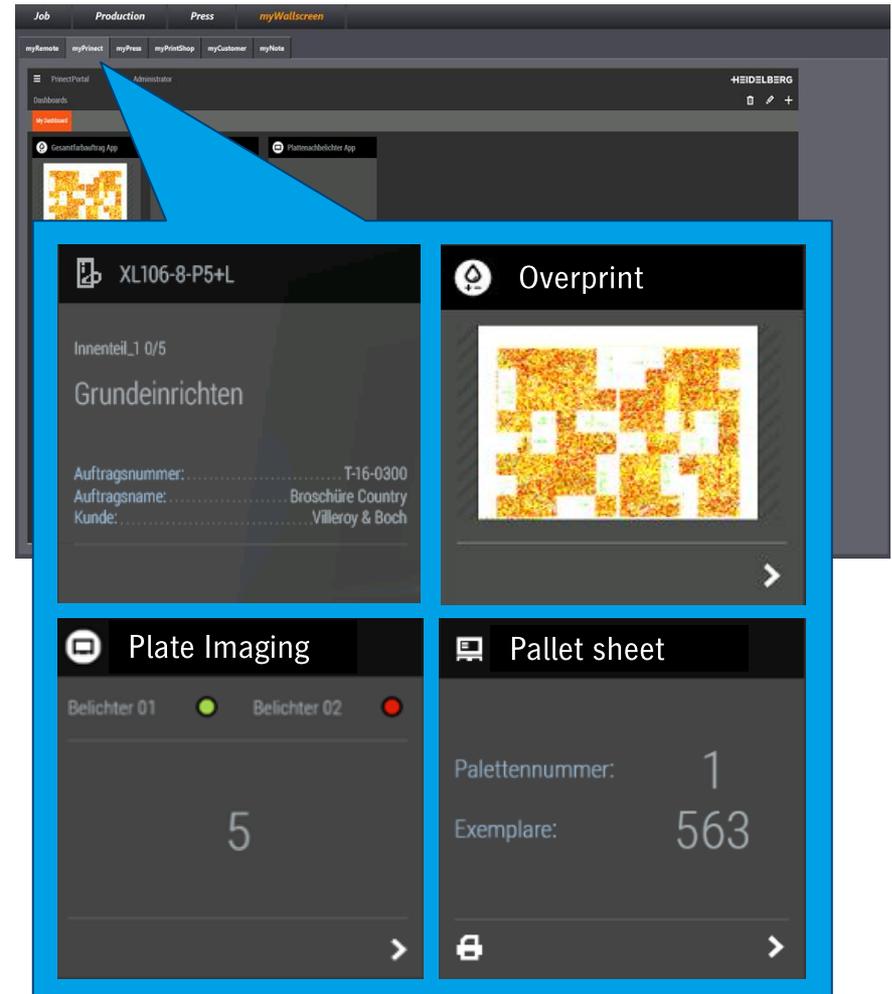


# Prinect Workflow as the key component.

## Prinect Widgets makes life easier

→ The new Prinect Widgets provide direct access to Prinect functionalities:

- **Machine status:**  
Displays activity of started job
- **Overprint:**  
Displays critical areas of progressing and upcoming jobs
- **Plate on demand:**  
Displays actual amount of demanded plates in progress
- **Pallet sheet:**  
Displays pallet number and copies on pallet with fast reprint function





# The new operation philosophy. **Makes navigated and autonomous printing possible**

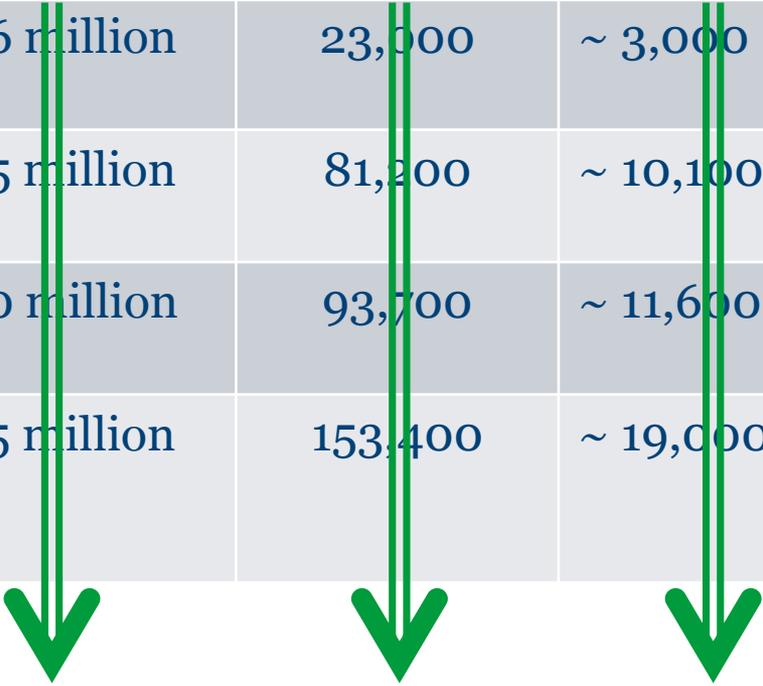




# Push to Stop and the new operation philosophy.

## What's in it for me as a printshop?

Press	Generation	Sheets/a	Plates/a	Jobs/a
SM 102-8-P 2004		26 million	23,000	~ 3,000
XL 105-8-P 15k 2008	1. Generation	35 million	81,200	~ 10,100
XL 106-8-P 18k 2012	2. Generation	40 million	93,700	~ 11,600
XL 106-8-P 18k 2016	3. Generation	55 million	153,400	~ 19,000



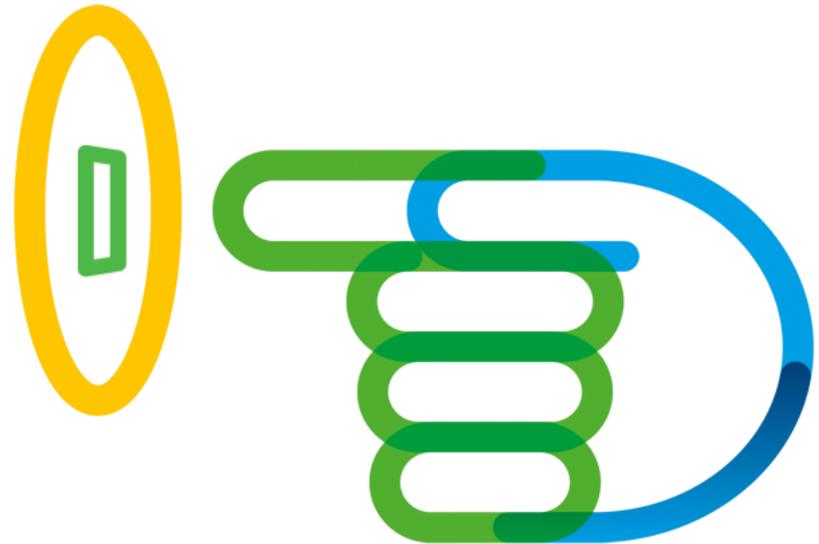
**+210%**      **+660%**      **+630%**



Push to Stop – let's get started.

## With Heidelberg's unique products and services

- Most advanced and comprehensive Workflow Integration with **Prinect**
- Powerful **automation Features** combined with the unique **Intellistart 2** Software
- **Smart Services** to achieve a maximum of uptime
- Tried and tested **Consumables** to grant a stable production environment



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= Smart Print Shop



# Push to Stop: The new Speedmaster operating concept

Prinect User Days

Nick Trabold and Juergen Mittmann | Heidelberg, 15.11.2016



“Push to Stop”

