Industrial print production with end-to-end encryption

Presenter: René Schieber and Melanie Zaulich | Friday 10:40 – 11:10 a.m. and 12:20 – 12:50 p.m.

CHANNEL 1
BLUE

PRINECT
USER DAYS

Agenda

1. Prinect Job creation and Prepress production
2. Push to stop print production
3. Push to stop folding production
4. Summary

Start sales order

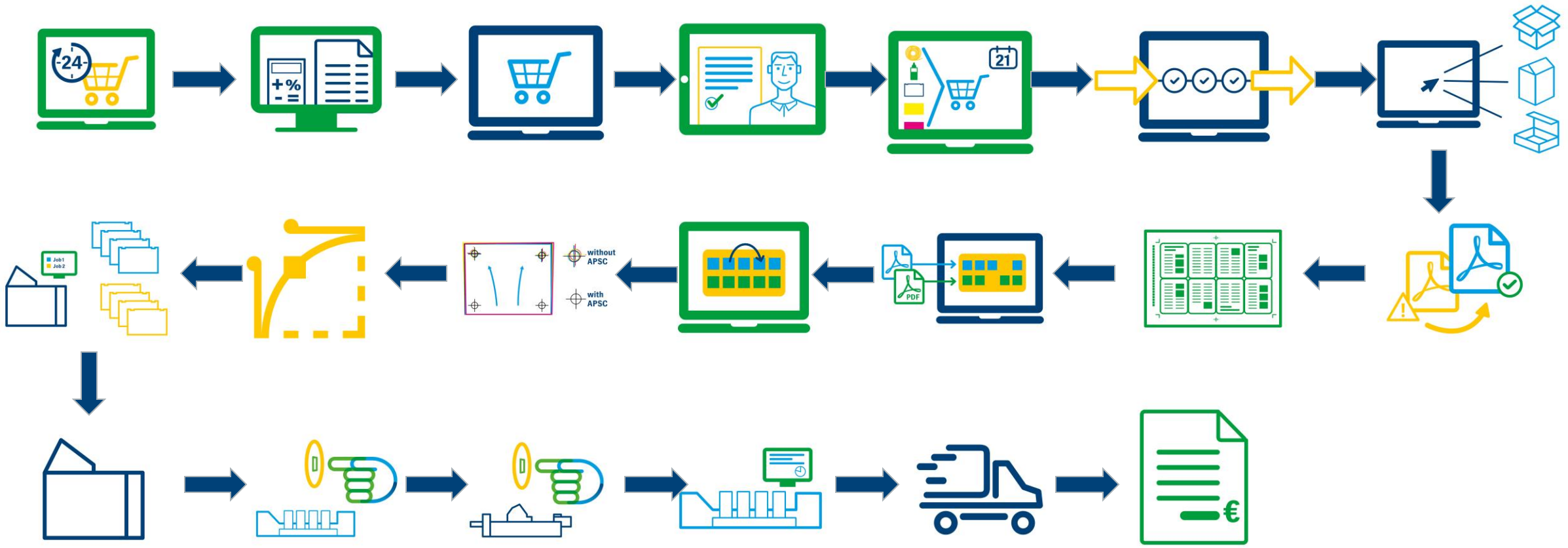
Achieving end-to-end autonomous production

Workflow integration

Soft- and Hardware interaction

Robotics at equipment

Major touchpoints within print production

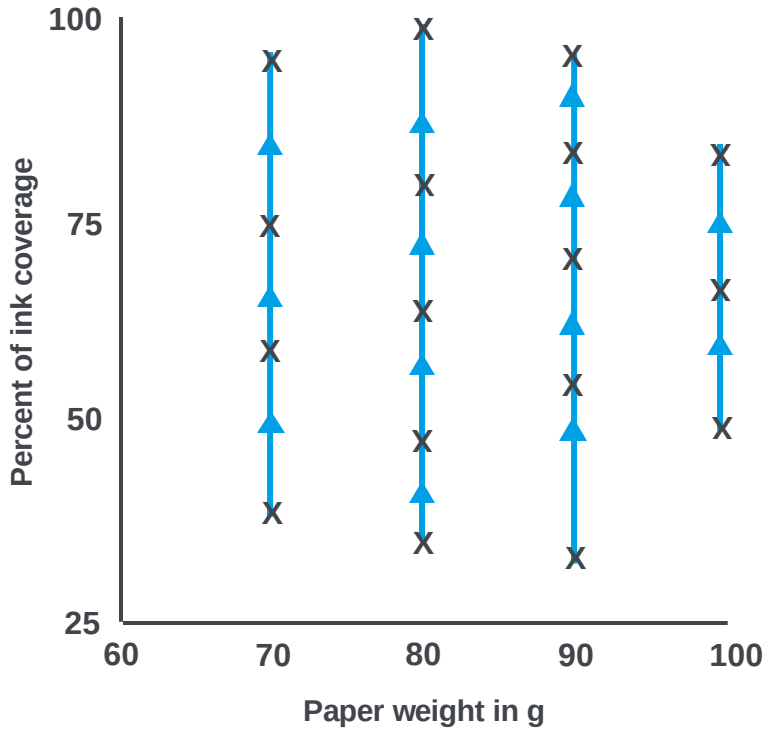


Optimize print sequence

Avoid continous change overs at the press

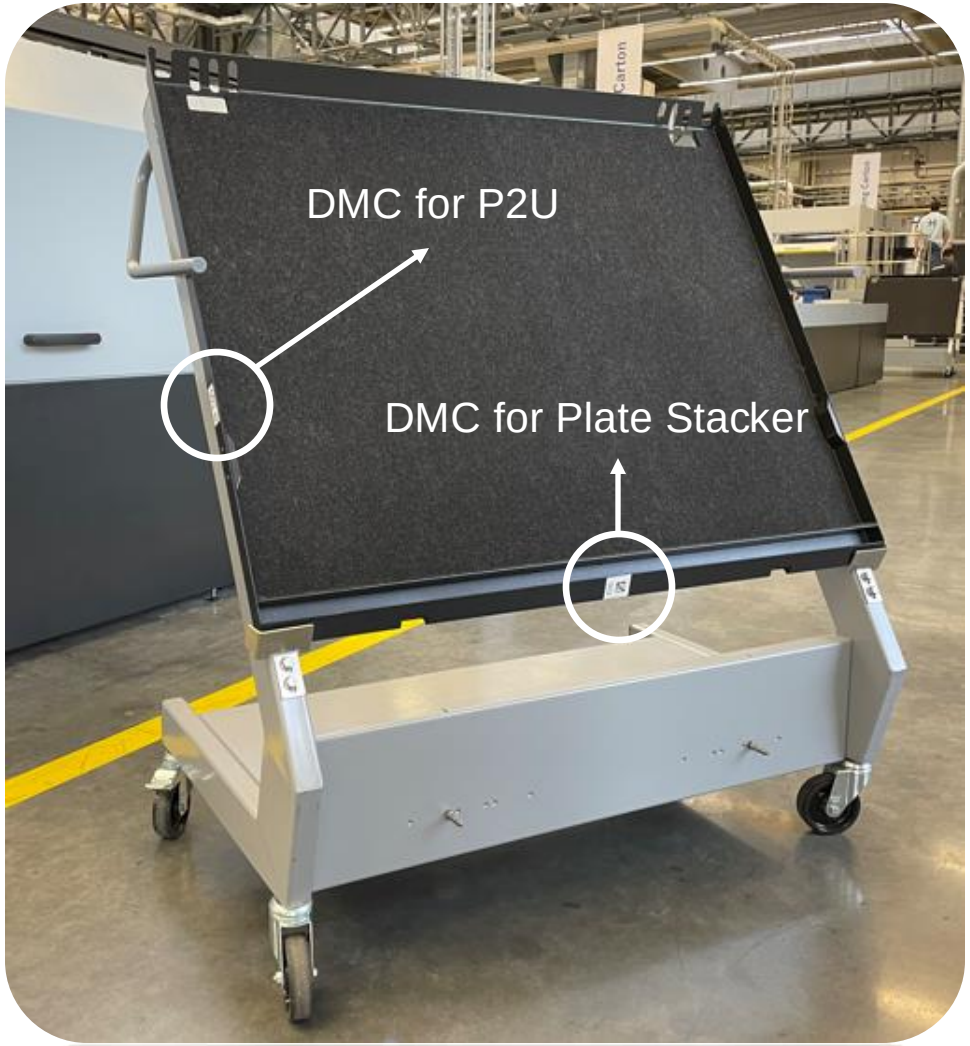
Consider scheduling hierarchy

- ✓ Paper dimension
- ✓ Grammage
- ✓ Ink coverage
- ✓ Folding scheme



Scheduling and plate output

Plate trolley for Speedmaster XL 106-8-P



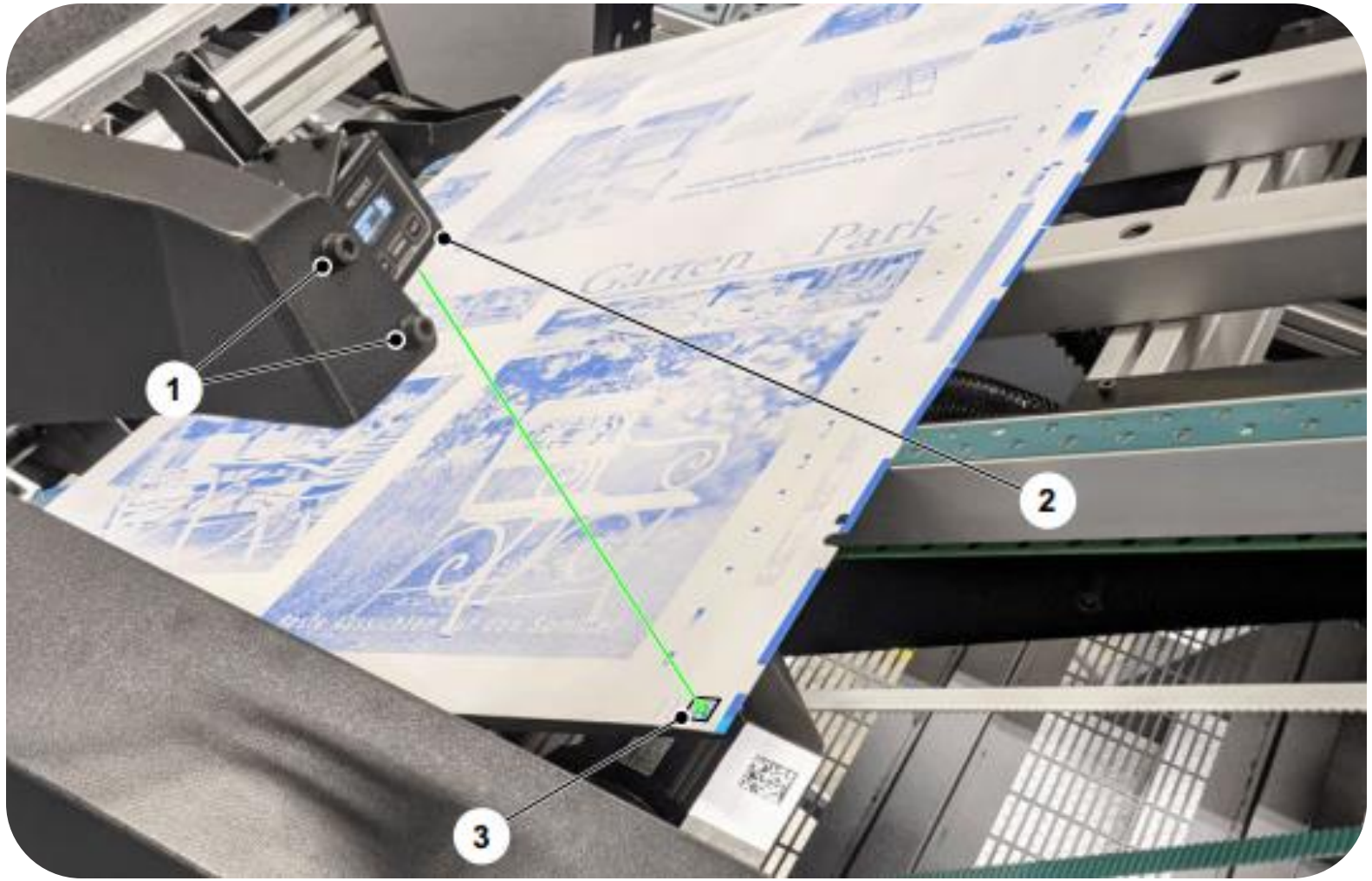
- ✓ 80 plates per trolley
- ✓ 10 Jobs for XL 106-8P
- ✓ Datamatrix Code (DMC) for P2U and Plate Stacker
- ✓ Jobs are automatically loaded into the queue via Intellistart

Print production

PRINECT USER DAYS

Speedmaster XL 106-8-P+L - Plate to Unit

Verification of plate ID



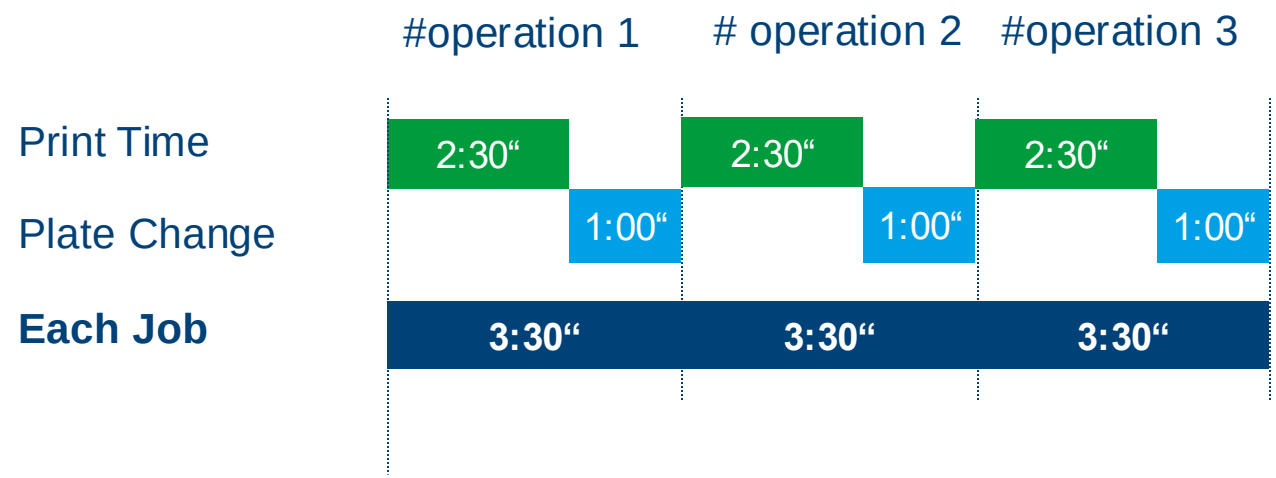
On the top of the feeder,
the plate ID is scanned and verified

1. Scanner mount
2. Scanner
3. Plate ID (Datamatrix Code)

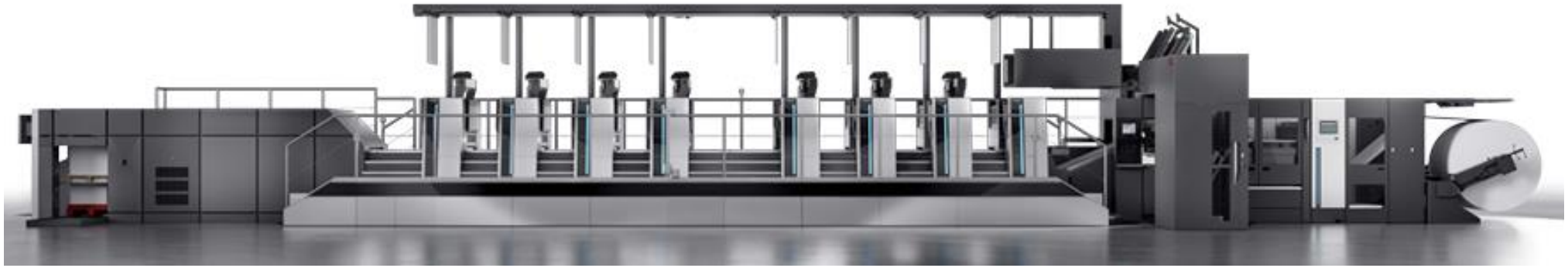
Push to Stop – Plate to Unit

Productivity

up to # 18 jobs in 60min.

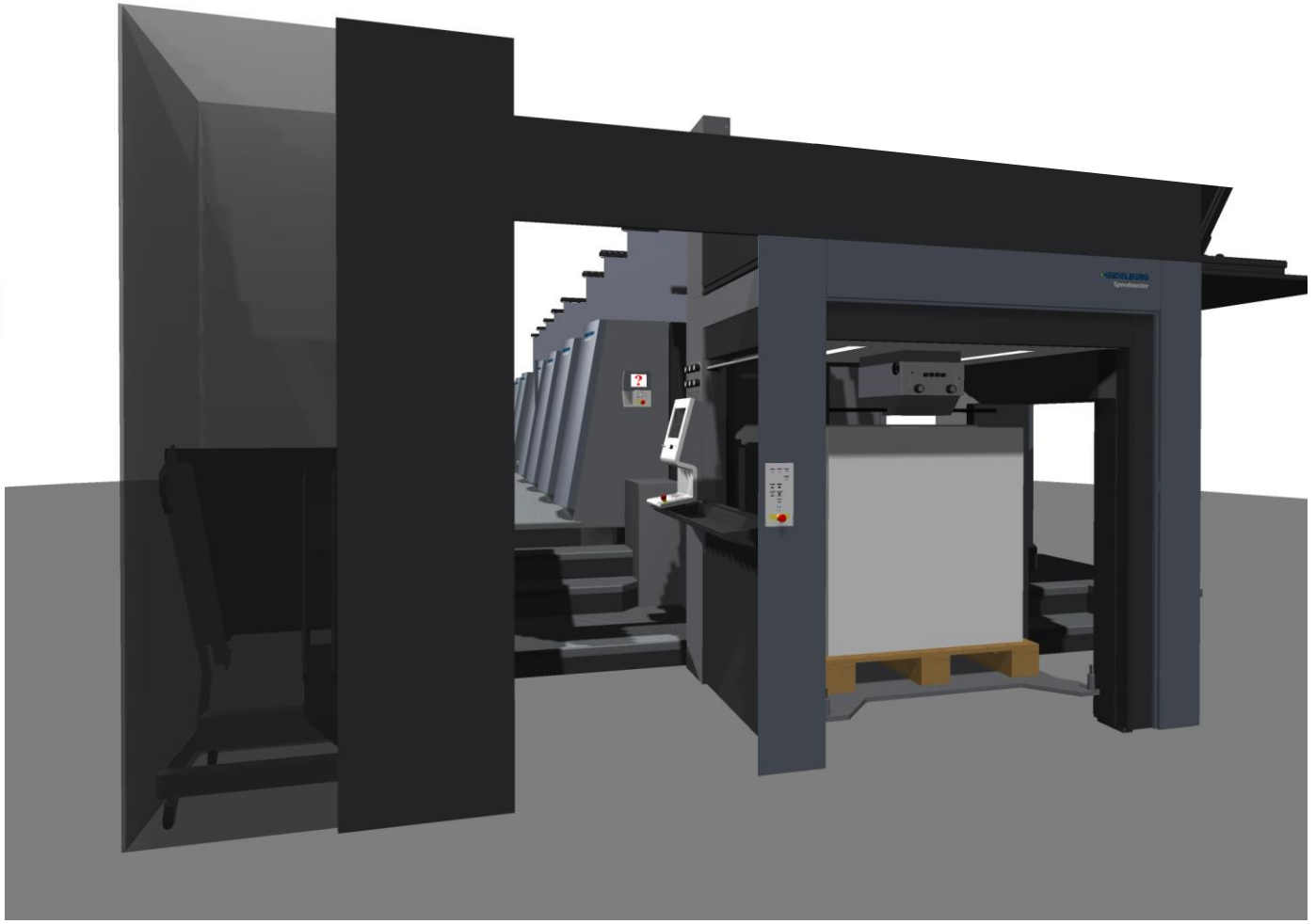


1 Printer



Push to Stop – Plate to Unit
Important To Know

- ✓ Plates are treated only from the non imaged side.
- ✓ Plates have a barcode.
- ✓ Plate trolley has a frozen set of jobs.
- ✓ Via Press Center you can demand a dedicated trolley for the next batch of scheduled jobs.
- ✓ Or you can provide the trolley to the system and the jobs on the trolley are pulled into the job queue.
- ✓ Each plate is checked, if it goes into the right unit if you work with Prinect workflow.



Reduction of press operator touchpoints

by **98%**

from 20.000 to 400

Transport of printed pallet to Stahlfolder

Sorted packing of signatures with PackStar P

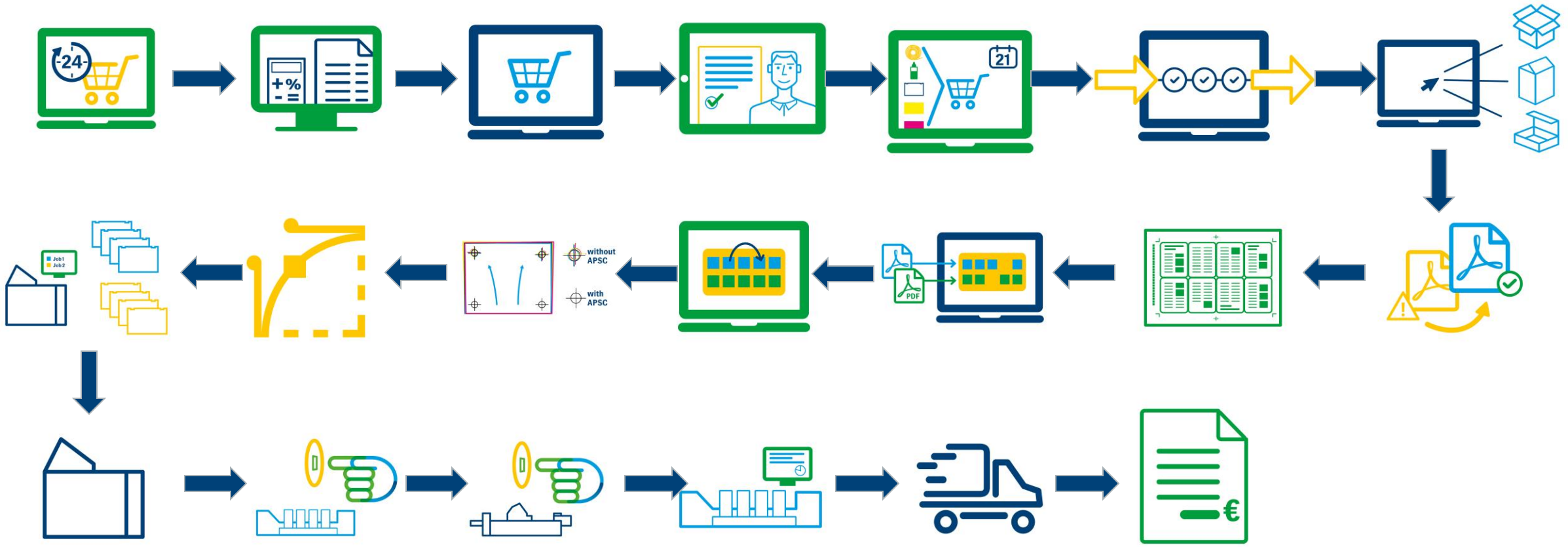
- ✓ Autonomous packing on pallets for **industrial environment**.
- ✓ Putting down 2 different signatures in separate areas on one pallet or on 2 paletts.
- ✓ Ideal for shorter run lengths.
- ✓ Ideal add-on for „Push-to-Stop“ production at the Stahlfolder.

Required marks for E2E autonomous production

Placement of marks

- ✓ Plate ID
- ✓ Nela code
- ✓ Plate barcode
- ✓ Optional: Nela PQM
- ✓ PushToStop feeder folding
- ✓ PushToStop delivery folding

Today‘s touchpoints left for E2E autonomous print production



Do you have questions?