Horizon

pXnet
BINDERY CONTROL SYSTEM

The Last Frontier

JDF WORKS

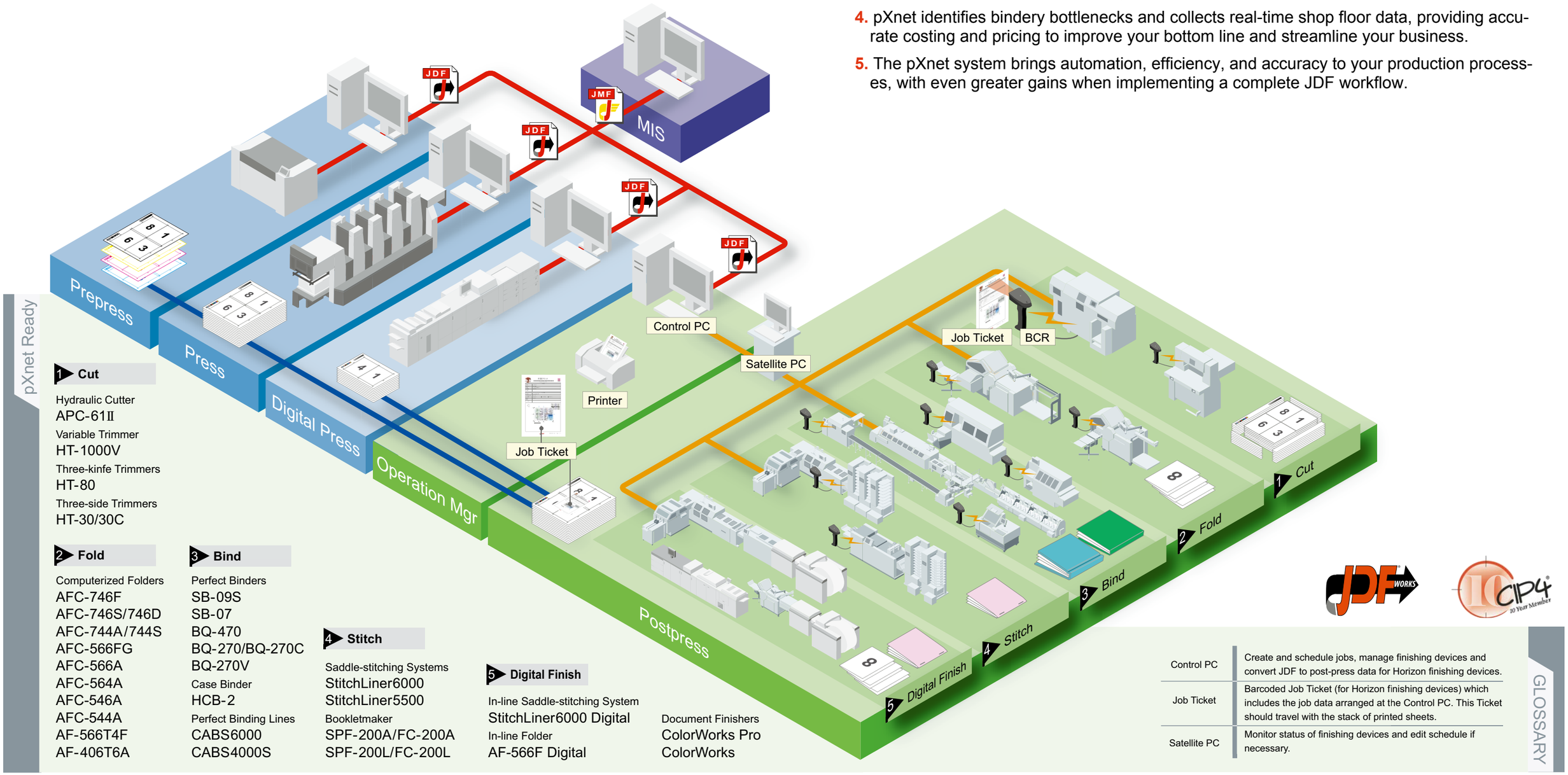
CIP4 10 Year Member

The Horizon pXnet Bindery Control System is used as a central control point to schedule work, send job data to each finisher, monitor status of finishers and collect production statistics from finishers in real-time. pXnet brings efficiency and value in high-mix/low-volume production environments where frequent job changeovers are needed.

The pXnet system can also be interfaced with an existing workflow for automated JDF set-up.

Benefits from implementing Horizon pXnet

1. Bindery managers will see work-in-progress in real-time, to make informed decisions on scheduling, staff planning, and equipment utilization. When pXnet is integrated upstream, this data is also visible to customer service, estimating, production planning, and management.
2. pXnet uses a simple, graphical drag-and-drop system for job planning and scheduling that alerts you to potential missed deadlines, so you can balance the work or schedule additional shifts as needed
3. All jobs are saved within pXnet, so you can easily recall recurring jobs for quick make-readies. You can also review previous jobs to answer questions or resolve problems.
4. pXnet identifies bindery bottlenecks and collects real-time shop floor data, providing accurate costing and pricing to improve your bottom line and streamline your business.
5. The pXnet system brings automation, efficiency, and accuracy to your production processes, with even greater gains when implementing a complete JDF workflow.



pXnet Ready

1 Cut

Hydraulic Cutter
APC-61Ⅱ
Variable Trimmer
HT-1000V
Three-kinfe Trimmers
HT-80
Three-side Trimmers
HT-30/30C

2 Fold

Computerized Folders
AFC-746F
AFC-746S/746D
AFC-744A/744S
AFC-566FG
AFC-566A
AFC-564A
AFC-546A
AFC-544A
AF-566T4F
AF-406T6A

3 Bind

Perfect Binders
SB-09S
SB-07
BQ-470
BQ-270/BQ-270C
BQ-270V
Case Binder
HCB-2
Perfect Binding Lines
CABS6000
CABS4000S

4 Stitch

Saddle-stitching Systems
StitchLiner6000
StitchLiner5500
Bookletmaker
SPF-200A/FC-200A
SPF-200L/FC-200L

5 Digital Finish

In-line Saddle-stitching System
StitchLiner6000 Digital
In-line Folder
AF-566F Digital

Document Finishers
ColorWorks Pro
ColorWorks

JDF WORKS

CIP4 10 Year Member

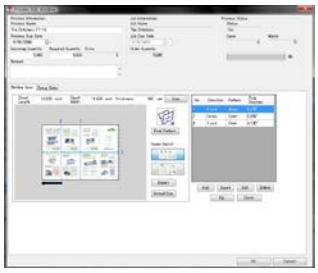
GLOSSARY

Control PC	Create and schedule jobs, manage finishing devices and convert JDF to post-press data for Horizon finishing devices.
Job Ticket	Barcoded Job Ticket (for Horizon finishing devices) which includes the job data arranged at the Control PC. This Ticket should travel with the stack of printed sheets.
Satellite PC	Monitor status of finishing devices and edit schedule if necessary.

Advanced Features

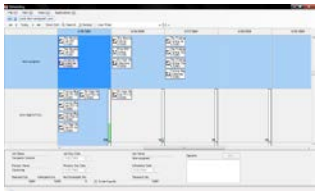
Easy and simple job Schedule Ticket creation

- Jobs can be created manually or by use of template by simply input the necessary book or sheet size information. A drag-and-drop system simplifies scheduling.
- Input of job creation data is automated when the system is connected to a JDF workflow.
- Any job can be saved as a template for easy recall of recurring or specialized jobs.



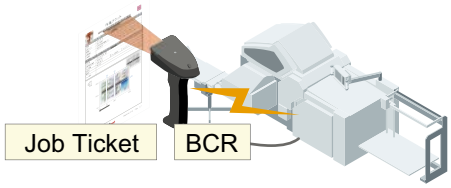
Job ticket style scheduling

- pXnet lets you easily schedule jobs to specific finishing devices, and lets you know when you need to split production between finishing devices.
- Scheduling equipment by shift or changing shifts are easy to do with the drag and drop operation.
- An Operator ID can be entered to recognize who finished the job and to analyze shift efficiency.



Job tickets for easy job setup and operation

- The pXnet System creates a unique ID code for each job and issues a custom barcoded job ticket.
- System sets up instantly by scanning the barcode on the job ticket with the barcode reader which is attached to the finisher.
- The job ticket includes a thumbnail of the actual printed image, indicating cutting order, sheet loading direction and finishing profile for easy set up and operation.



Real time job monitoring

- The Job state of all pXnet-linked machines can be monitored in real time on the PC monitor.
- The screen provides complete status and visibly on work pending, work in progress and work completed.

Error records and maintenance

- The pXnet stores error records that record equipment condition. Error details can be viewed on-screen.
- pXnet can be set up to indicate when wear parts may need checking, maintenance or replacing. It can also be set up to alert the operator when consumables like stitching wire or adhesive may need replenishment.

JDF compatibility

- The pXnet can be enhanced with JDF allowing postpress management or JDF workflow formulation through MIS, prepress, press and postpress.

System Requirements

	Client PC	Data base server
PC	Intel Pentium4 Processor or higher (Core 2 Duo is recommended)	Intel Pentium4 Processor or higher (Core 2 Duo is recommended)
OS	WindowsXP Professional SP3 or higher, Windows Vista	WindowsXP Professional SP3 or higher, Windows Vista Windows Server 2003
Memory	1GB or more (2GB is recommended)	1GB or more (2GB is recommended)
Hard Disk	3GB or more	120GB or more
Media Drive	DVD-ROM drive	DVD-ROM drive
Display	1024×768 or more (1280x1024 is recommended)	

Distributed by

HORIZON INTERNATIONAL, INC.

510 Kuze Ooyabu-cho, Minami-ku, Kyoto, 601-8206, Japan Phone : +81-(0)75-934-6700, Fax : +81-(0)75-934+6708, www.horizon.co.jp