



## WORKSTATIONS

- Anchored by powerful Macs and PCs

Hardware is only as good as the people running it. Our skilled operators help make Park Printing an especially good choice for processing and proofing your files.

## SOFTWARE

We support all of the most popular desktop publishing and graphics applications. We encourage you to use the most current versions available. The software we support includes the following: QuarkXPress, InDesign, Photoshop, Illustrator, FreeHand, Acrobat, and Pagemaker. We also support files created in both MacOS X and MacOS 9.22.

## SCANNING

### **Howtek D7500**

PMT Drum Scanner

Scanning Area: 23.25" x 18.25"

Image Types: Reflective or transparent copy, positive or negative

True Optical Density: 0-3.8

Scanning Mode: 4/C process or grayscale

The D7500 provides high quality color. With this unit we can turn your work over faster at lower cost.

### **EPSON Expression 1640XL**

Flatbed Color Image Scanner

Scanning Area: 12.2" x 17.2"

Image Types: Reflective or transparent copy, positive or negative

Optical Resolution: 1600 dpi optical

Scanning Mode: 4/C process or grayscale

The Expression 1640XL provides high quality color, just as the drum scanner does. With this unit we can scan images that cannot be wrapped on a drum scanner.



## DIGITAL PROOFING

### **Creo Veris**

Our current digital proofing system is a high-end inkjet printer by Creo. It's comparable to inkjet proofs by Kodak, Fuji, and Epson. The Creo Veris is calibrated to our presses to ensure an excellent color match. Pantone colors are rendered in process color equivalents.

### **Kodak Matchprint 5560**

Ultra-large format proofer/display output device for use in color proofing and for color critical large format projects. This high-end device produces accurate proofs and banners on a wide variety of substrates (including paper, vinyl, canvas, pressure-sensitive stocks, and static-cling). Maximum stock width is 60".

### **Hewlett-Packard Design Jet 1055CM**

For constructed proofs that show actual page size, trimming, and folding we produce a digital plotter proof by Hewlett-Packard. This proof reflects backend accuracy rather than color and is supplied in addition to the Creo Iris4Print color matching proof.

## DIGITAL DIRECT-TO-PLATE

### **Heidelberg-Creo Trendsetter**

Digitally images plates in 4 to 6 minutes (depending on plate size) for all of our presses.

The Trendsetter images "first-generation" dots direct-to-plate, eliminating dot gain associated with film-to-plate exposure. Our standard line screen of 300 dots per linear inch (lpi) results in better color reproduction and cleaner printing with less ink.



## PRESSES

### Heidelberg NexPress 2100

Max. Sheet Size: 13.8" x 18.5"

Min. Sheet Size: 8.3" x 11.0"

If you want to design to maximum efficiency, keep in mind the most common sheet size is 12.5" x 18.5". This accommodates two 8.5" x 11" pages or one 11" x 17" page, with or without bleeds.

Max. Image Size: 13.4" x 18.1"

PAPER WEIGHT (caliper, or thickness, is more relevant than paper weight here)

- Caliper: min. = .0028"; max. = .011" (20 lb. bond [80g/m<sup>2</sup>] up to 110 lb. cover [300g/m<sup>2</sup>])

PRINTING TECHNOLOGY

- Dry Electrophotography
- NexBlanket Image Transfer
- Sheetfed
- Autoperfecting with NexQ SEP

IMAGE QUALITY

- 600 dpi, multibit
- 150 line screen, conventional rosette dot pattern

QUALITY CONTROL

- NexQ Closed Loop Process Control
- NexQ SEP (Same Edge Perfector)
- NexQ ECS (Environmental Control System)
- NexQ ASP (Automatic Sheet Positioner)

To achieve a level of consistency and quality similar to offset printing, NexPress developed seven quality-control measures that together make up the unique NexQ quality control system. The NexPress 2100 features an offset blanket cylinder that transfers the image to the paper. This technology enables printing on textured papers, and extends the life of imaging cylinders by removing their contact with the paper's abrasive surface. The NexPress 2100 can print on a variety of paper stocks and weights — from 20 lb. bond up to 110 lb. cover. The unique NexQ SEP "Same Edge Perfector" technology ensures a consistent, accurate color-to-color and front-to-back register by always using the same paper edge to guide a sheet — whether it's straight printing or perfecting.

Process Colors: Cyan, Magenta, Yellow, and Black

VARIABLE DATA PRINTING

The applications range from simple versioning to complex fully customized print jobs with data-driven graphics. With this in mind, Heidelberg offers a family of VDP solutions that support a broad range of applications.

The VDP market continues to grow as VDP has been proven to increase customer response rates and the effectiveness of print communications.



## OPEN VDP SOLUTIONS

Park's philosophy is open solutions and we embrace standards. For Variable Data Printing, that standard is PPML/VDX — Personalized Print Mark-up Language for Variable Data eXchange. We accept this emerging standard that employs the benefits of PODi's PPML to encode the layout of variable data along with Adobe's Portable Document Format (PDF) for proven openness, reliability, mobility, and on-screen proofing. PPML/VDX provides efficient PDF workflow when processing variable data jobs. PPML/VDX

Approved as an ANSI accredited standard in June 2002, the Personalized Print Mark-up Language for Variable Data eXchange is currently going through the ISO process to become an international standard.

### **Heidelberg Speedmaster CD 74**

- 6 Printing Units
- In-line Aqueous or UV Coater
- Conventional or UV CoCure Inks

Max. Sheet Size: 23.5" x 29.125"

Min. Sheet Size: 8.27" x 13.78"

Max. Image Size: 23.0" x 29.0"

Max. Press Speed: 15,000 IPH

This press can run conventional inks, or it can be switched over to UV CoCure inks. Capable of flood aqueous or UV as well as spot aqueous or UV with special blankets. Enhances detail, hold-out, and color saturation on less expensive uncoated stocks for vibrant-looking print quality. Prints on a broad range of substrates from flimsy papers to stiff board (up to 31 point), and plastic sheet. Applications range from high-end commercial on coated papers to plastics such as static-cling, Mylar, blister packaging materials, and metallic foils and metalized papers for packaging, labels, and commercial products. Its double-diameter cylinders make printing on thicker, stiffer stocks possible.

### **Heidelberg Perfecting Speedmaster 74**

- 6 Printing Units
- Capable of perfecting 4-color over 2-color
- In-line Aqueous Coater

Max. Sheet Size: 20.5" x 29.125"

Min. Sheet Size: 11.0" x 17.0"

Max. Image Size: 20.0" x 28.625"

Max. Press Speed: 15,000 IPH

### **Heidelberg MOFP**

- 5 Printing Units
- Perfecting Unit

Max. Sheet Size: 19.0" x 25.625"

Min. Sheet Size: 11.0" x 17.0"

Max. Image Size: 18.25" x 25.5"

Max. Press Speed: 11,000 IPH

Perfecting unit falls between the second and third printing units for 2-over-2 or 2-over-3 configurations.



## **Heidelberg GTO-ZP 52**

- 2 Printing Units
- Perfecting Unit

Max. Sheet Size: 14.0" x 20.5"

Min. Sheet Size: 4.125" x 7.125"

Max. Image Size: 13.375" x 19.875"

Max. Press Speed: 8,000 IPH

## **Heidelberg Quickmaster 46-2**

- 1- or 2-color printing

Max. Sheet Size: 13.375" x 18.125"

Min. Sheet Size: 3.5" x 5.5"

Max. Image Size: 13" x 17.75"

Max. Press Speed: 10,000 IPH

## **A.B. Dick 9870 Duplicator**

- 1- or 2-color printing

Max. Sheet Size: 13.5" x 17.5"

Min. Sheet Size: 3.0" x 4.875"

Max. Image Size: 12.5" x 17.25"

Max. Press Speed: 11,000 IPH

## **Heidelberg S.B.B. Letterpress**

Max. Sheet Size: 22.25" x 32.25"

Min. Sheet Size: 8.5" x 11.0"

Gripper Margin: .375"

Max. Press Speed: 5,000 IPH

This press is critical. It applies the finishing touch to many jobs. Whether it's scoring, perforating, or die cutting, it produces a crisp, virtually crack-free fold, and clean perforating. Sharp die cutting with this press is a "lock."

## **QUALITY CONTROL**

### **CIP3 Digital Data**

This software transfers image area data to a file used to control the inking systems at press. Color on the first pull is 95% accurate.



## **BINDERY**

### **Polar 115ED Paper Cutter and Polar EMC 115-Monitor**

Cutting Width: 45.25"

Cutting Depth: 45.25"

Smallest Cut: 3.5" with false clamp

Both of the Polars listed above are state-of-the-art paper cutters that feature programmable microprocessors with memory. The cutting accuracy is within 1/1000 of an inch.

### **Stahl Continuous Folder**

- 3 Units with 4 folds per unit

Max. Sheet Size: 23.0" x 35.5"

Min. Sheet Size: 8.5" x 11.0"

Max. Speed: 29,400 FPH

### **B20 Stahl Pile Fed Folder**

Max. Sheet Size: 20.0" x 33.0"

Min. Sheet Size: 4.0" x 6.0"

Max. Speed: 35,000 FPH

This folder is designed to meet the tight folding requirements demanded by our customers and quality-driven finishing operations.

### **Stahl Mini-Folder**

Max. Sheet Size: 14.173" x 20.472"

Min. Sheet Size: 3.15" x 3.937"

Max. Speed: 35,000 FPH

### **Stahl ST90-6 Saddle Stitcher**

- 6 Signature Pockets Plus Cover Feeder

Max. Trimmed Size: 12" x 13.75"

Min. Trimmed Size: 3.5" x 5.5"

Max. Thickness of Book: .375"

Max. Thickness of 2-up Book: .25"

Max. Speed: 9000 CPH

This stitcher gathers signatures, stitches (including loop stitching), and trims three sides of booklets in one operation.

### **Bostitch Single-Head Stitcher**

Our hand stitcher is used for those projects that require special finishing.

### **Challenge Paper Drill**

Drills up to 3 holes simultaneously.

### **Shrink-wrapper**

Park Printing can heat shrink and seal your printed products to ensure maximum shelf life and "use as needed" packaging.



## MISCELLANEOUS

Park Printing's philosophy is to equip ourselves in such a way that we provide you with quality service at a fair price. We are always looking to advance our equipment as new technology is introduced. We can get virtually anything done for you. We have excellent, long-standing working relationships with our vendors. Mailing and fulfillment, perfect binding, spiral binding, laminating, envelope converting, embossing, etc., will be done well in a timely fashion, and most importantly, that process will be invisible to you.