

# TechLines

## Equipment List

Current as of March 27, 2009

## Electronic Prepress

### ■ Digital Front End:

Rampage with Rampage Remote  
Prinergy with InSite

### ■ Digital proofing:

Epson Stylus Pro 9800 inkjet contract color proof with  
GMG Color Management RIP (2)  
ImpoProof Canon W7200 imposition proof (2)  
ImpoProof Cannon W8400 imposition proof

### ■ Platesetters:

Creo Trendsetter 800 Quantum (2)

### ■ System can accept following media:

|                            |                     |
|----------------------------|---------------------|
| lomega Zip 100 & 250 disks | CD/DVD              |
| lomega Jaz 1gb & 2gb disks | USB Portable Drives |

### ■ Software we support:

|                   |                   |                |
|-------------------|-------------------|----------------|
| Adobe Illustrator | CS, CS2, CS3, CS4 | Macintosh & PC |
| Adobe InDesign    | CS, CS2, CS3, CS4 | Macintosh & PC |
| Adobe PageMaker   | 6.x, 7.x          | Macintosh & PC |
| Adobe Photoshop   | CS, CS2, CS3, CS4 | Macintosh & PC |
| QuarkXPress       | 6.x, 7.x, 8.x     | Macintosh & PC |

### ■ Scanning capabilities

Heidelberg Nexscan F4100 flatbed scanner uses Direct Capture Technology (DCT) to capture image information without mirrors that break the light path and distort image information. This new technology allows us to scan two-up reflective originals, continuous tone and linework, slides, transparencies, open books, positive/negative film and even 3D objects. We can also scan framed artwork – with or without glass, as long as it fits on the scanner bed.

## Technical Support

■ Additional information on our processes and equipment can be found in our **TechLines Sheets** – available in print or in PDF format at our Web site.

■ Customer education department available to assist in electronic file preparation. Contact Jason Hauman at 800-321-3136, ext. 312.

## Digital Printing

*Now available – two digital printers to meet your smaller quantity needs.*

A **Canon imagePRESS C6000 Full Color Printer** can produce shorter run print projects and will also be used to create booklet-style proofs.

### Stocks available:

Lightest – 17# bond or 43# offset  
Heaviest – 110# cover  
Coated, uncoated, specialty stocks

### Sheet sizes:

Minimum – 7.2" x 7.2"  
Maximum – 13" x 19.2"

**Color:** Colors used are not the traditional cyan-magenta-yellow-black. The colors are known as "Vivid CMYK" and they expand the traditional CMYK color gamut. Running one spot color is the same as running full color since we need to blend to achieve the spot color.

**Output resolution:** 600 dpi standard, up to 1200 dpi available

### Saddle stitching:

Maximum 20 text weight sheets [80 pages]  
Fixed staple position – 5.25" distance between the outside corners of the staples

**Side/corner stitching:** maximum 100 sheets [200 pages]

Variable data customization available

We use our **Canon imageRUNNER 110 Production Printing System (iR110)** for black-only text pages.

**Stocks available:** 20# bond to 110# index

### Sheet sizes:

Minimum – 8" x 10"  
Maximum – 12" x 18" paper to allow for full page bleeds on projects up to 8-3/8" x 10-7/8"

**Output resolution:** 600dpi

**Variable data customization available**

**Side/corner stitching:** maximum 100 sheets [200 pages]

### Common specifications

Books from either printer can be hot glue bound on either one of our perfect binders. Requires a separate cover.

**File submission:** Accepts print-ready PDF files only.

**Images:** We prefer any .tif images be scanned at 300 dpi resolution, 240 dpi is acceptable.

We cannot make adjustments to the screening and cannot do anything to fix moiré.

# Web Presses

*Four coldset and one heatset web presses produce a wide variety of products on an equally wide variety of stocks. From tabloids to book signatures, a variety of page counts, ink color combinations and binding configurations are available.*



**manroland Rotoman N Heatset Web Press**

■ A **manroland Rotoman N** heatset press is the newest addition to our "one-stop shop." With four units, dryer and chill stand placed on a mezzanine and a duplicate set on the floor, it is the only "stacked" Rotoman N press in North America. We can produce 4/color 8-page to 32-page signatures.

The Rotoman is equipped with closed loop color; web control and closed loop register systems as well as a vertical stacking system and palletizer.

- 22-3/4" cutoff
- Our standard trim sizes are 5-3/8" x 8-3/8", 6" x 10-7/8" and 8-3/8" x 10-7/8"
- Workbook perforation available

■ For printing on uncoated stocks, our commercial presses are heatset presses running in the coldset environment. A **Goss G18** – one of three in the U.S. – features state-of-the-art engineering with closed-loop register on two webs. Two **Hantscho Mark 16** presses – one with closed loop reg-

ister – complete the trio.

Each of these three presses is configured with six printing units, three roll stands with zero-speed splicers and quick change folder. All are outfitted with state-of-the-art spray bar dampening systems. Signatures of up to 40 pages can be pasted-on-press. In-line trimming of pasted product and workbook perforation are also available.

- 22-3/4" cutoff
- Our standard trim sizes are 5-3/8" x 8-3/8", 6" x 10-7/8" and 8-3/8" x 10-7/8"
- 6-over-6 available in 16-page signatures
- Black+one color available in up to 48-page signatures
- Metrofold signatures and tabloids also available

■ The **Goss Community** press line consists of five mono units, two 4-high units and one folder. Up to six webs can be run to produce tabloid or broadsheet projects.



**Goss G18 Coldset Web Press**

# Sheet Presses

*To complement our web press capabilities, four sheetfed presses print covers and inserts for bound products as well as entire sheetfed products.*

■ **Heidelberg Speedmaster SM74** 8/color press with perfecting and in-line aqueous coating. Can print 4-over-4 or up to 8 colors in one pass. Maximum image: 20" x 29"

■ **Heidelberg Speedmaster CD74** 6/color press with perfecting and in-line aqueous coating. Can print 4-over-2 or up to 6 colors in one pass. Maximum image: 23" x 29"

■ **Heidelberg MOZ-H** Used primarily for scoring and perfing. When needed, for 2/color products or 1/color plus varnish.

■ **Hamada 700** for small 1/color print runs, producing envelopes, newsletters and special imprints.

## ■ Other support equipment...

**Automatan Jogger/Aerator** load turner jogs press sheets to the gripper/side guide edges for perfect alignment. Aerating separates the sheets and blows out trapped offset powder, dust and scrap from loads.

# Perfect Bind & Saddle Stitch

**Saddle stitch or perfect bind products can be bound in a variety of page counts and combinations. In-line and off-line support equipment enhances binding capabilities.**

## ■ Hot glue squareback books

Two perfect binders can produce books from 1/8" to 3-1/8" thick – **Müller Martini Bolero & Kolbus**.

- 32 & 24 pocket capacity with in-line trimmers
- Large page count products done in multiple passes
- In-line outside-only inkjet addressing and thumbedge imaging
- Minimum final trim: 3-15/16" x 4-15/16"
- Maximum final trim: 12" x 15"
- In-line drilling & shrink wrapping available
- Book slitting saw for 2-up digest-sized products
- PUR glue & layflat available
- Blow-in and loose bind-in cards available

## ■ Saddle stitch products

Our four saddle stitchers feature cover feeder/folders with in-line trimmers.

- Six to ten pocket capacities
- Minimum sizes: 3-1/2" x 7-1/2" or 4" x 6"
- Maximum sizes: 12" x 19-1/2" or 11-1/2" x 20"
- Maximum thickness: 3/8" for 1-up product
- 4th/5th knife available for digest-size products
- In-line inside/outside inkjet imaging and tabbing available

on four saddle stitching lines

- Blow-in insert cards available (2 different in same location)
- Calendar-style Punch available: 1/8", 3/16" or 1/4" hole
- **Prima SB360** offers selective binding
- Two In-line **G&K ZK500** Knife Folder able to fold 8-3/8" x 10-7/8" pieces in half to qualify for lettersize postal rates



**Müller Martini  
Bolero 24-pocket  
Perfect Binder**

# Bindery Support

**In-line and off-line inkjet systems, drills, folders and shrink wrapping/polybagging complement our binding capabilities.**

## ■ Inkjet systems

Personalization and addressing can be done with inkjet printing on many of our machines – from saddle stitchers, folders, perfect binders and shrink wrappers. Besides addressing, thumbedge printing, special fonts, variable graphics, sequential numbering and fixed messaging are also available.

Printers available:

- Twelve **Kodak 5120s** use water-based ink – black standard, red available at additional cost
- Two **Videojet BX65000** uses MEK (solvent-based) black ink – stand alone

Our **Prism System Controllers** can synchronize up to three 5120s printer and a Printpro. Four Prisms are attached to saddle stitchers, one is used off-line.

## ■ Tabbing equipment

**Kepes Double Head Tabbers** apply the required tabs for letter-size automation postal rates in-line while saddle stitching.

- Standard tab: 1" white circle preferred
- Clear, colored, translucent or perforated tabs available by special order

**Profold Deluxe Tabber** works with a mailbase.

- Applies 1 or 2 tabs on one edge or 1 tab anywhere
- Standard tab: 1" white circle
- 1" to 3" diameter circles available by special order

## ■ Drilling & Shrink Wrapping

Two **HFD Ultimate** automatic drills are able to drill two piles of books at a time.

- Maximum pile thickness: 3"
- Hole sizes: 1/8", 3/16", 1/4", 9/32", 5/16", 3/8" & 1/2"
- Up to 5-hole configuration including standard 5-hole automotive, 5-hole same-size and standard 3-hole

A **Shanklin HS-1 Automatic Wrapper** can polybag or shrink wrap using three different types of film depending on customer wishes and end use. Pattern gluing also available.

Five **Arpac Automated Shrink-Packaging Systems** can be used in-line with any binder to provide protective packaging. 1.5 mil. film is our standard offering.

## ■ Outside Sticker/'Sticky note' Placement

**Label Aire 3111** (affectionately known as a "dot whacker") applies stickers or 'sticky notes' to front or back cover.

- For stickers, works with 3/4" circles to 4"x5" rectangles and any odd shapes in between
- For 'sticky notes,' notes must be 3" square. These must be ordered from a USPS-approved vendor and must be machine applied.
- Please consult us before ordering stickers to ensure machinability (and avoid hand application costs)

## ■ FOLDERS

**Stahl TF78 4-4-4** and **Baum** buckle folders

With **TriCreaser** attachment to eliminate cracking

# Mailing Services

## ■ Our newest offering is CoMail

- Publishers of flat-sized pieces – catalogs and periodicals – can benefit by combining their titles with similar pieces being distributed by other mailers within the same timeframe.
- By combining multiple titles into one mailstream, more mail can be put onto pallets to qualify for drop shipping discounts. The resulting finer sortation also generates even greater savings through postal worksharing discounts.

## ■ In-line inside/outside inkjet addressing available on four saddle stitch binding lines.

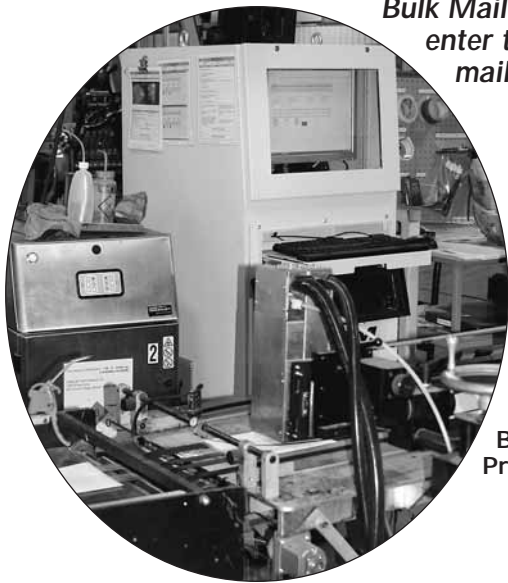
## ■ In-line outside-only inkjet addressing and thumbedge imaging available on perfect binders.

## ■ Off-line outside-only inkjetting or thumbedge imaging made easy with two versatile mailbases.

One Kirk-Rudy and one Videojet mailbases serve traditional paper labels and inkjet addressing.

- Application of one or two tabs to gain automation postal rates.

## ■ All mail is loaded on trailers at our docks and shipped directly to Chicago or Bulk Mail Centers to enter the mailstream.



BX Inkjet Printer

# Mail List Processing

## ***In-house list processing from your database files. CASS/PAVE certified mailing files programmed for inkjet addressing.***

- Acceptable media: IBM or Macintosh diskettes, CD-ROM, FTP/e-mail or flash drives.
- Acceptable formats: Comma delimited ASCII, fixed length records, tab delimited ASCII, dbf, Microsoft Access and Microsoft Excel. Others on approval.
- Duplicate elimination and merge/purge available at additional cost.
- Required postal reports for CASS certification and zip code verification are generated.
- Customization available – key codes and messages.
- Variable graphics.
- National Change of Address (NCOA) and DSF through BCC available at additional cost. Files need to be sent out so please plan accordingly.
- Delivery Point Validation (DPV) and SuiteLink on all files.
- Full variable data processing for digital printing.

# Fulfillment Service

## ***Your orders can be filled – whether to individual customers or business-to-business, bulk shipments or single books – right from Ripon.***

- Working with your own system, orders can be placed at your Web site and e-mailed individually or in groups to our fulfillment area.
- Once they are downloaded into our in-house program, a detailed order, a packing slip and shipping labels are generated based on your shipper preference.
- If the shipper uses tracking numbers and offers automatic e-mail shipping verification, we scan those numbers and send an order verification. Your customer knows when their order is on its way and have the number to be able to track it.
- Reports of the day's order shipping activities are prepared and sent to you via e-mail.
- Along with filling orders, inventory of items-on-hand can be done as often as requested.
- Gain the advantage of efficient movement throughout the country from our central location.



# RIPON PRINTERS

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**GREEN TIER**  
Advantage: Business Advantage: Environment