

PAL Equipment List

Offset Lithography - Web

Goss Sunday 2000 Web Press

6 over 6 perfecting
 Speed: 2000 fpm / 63,000 iph
 Basis weight range: 20# text to 100# text
 Web width: 14" (min) to 57" (max)
 Folder: Pinless combination (magazine or tabloid)
 22 3/4" cutoff
 3" core size
 Roll diameter: 14" (min) to 50" (max)
 QTI RGS VECTOR auto register and RCS 4000 cutoff controls
 GMI ColorQuick closed loop color

Offset Lithography - Sheetfed

Heidelberg Speedmaster 74

6 color straight or 4 over 2 perfecting (with coating tower)
 Speed: 15,000 iph (max)
 Basis weight: .003 (min) to 16pt cover (max)
 Sheet widths: 11" x 17" (min) to 20" x 29" (max)
 Waterless capability

Flexography

Mark Andy LP3000

6 color inline, Roll-to-roll or Roll-to-sheet
 Speed: 750 fpm (max)
 Material gauge: 2 mil to 12 mil
 Web width: 17" (max)
 Repeats: 7" (min) to 24" (max)
 Inks: UV / Water-based / Solvent
 1 color rotary screen printing
 1 chambered doctor blade system
 Die-cutting
 Sheeting
 Roll diameter: 40" (max)
 Core sizes: 3" or 6"

Prepress

Scanning

Linotype-Hell Topaz Scanner

Proofing

HP 5500 PS Large Format Inkjet Printer
 Kodak Approval NX Digital Halftone Proofing system
 Latran Technologies Prediction Digital 1420 digital halftone color proofing system

Computer-to-Plate

Creo Prinergy PDF Workflow
 Conventional (AM) and Staccato (FM) Screening
 Harmony tonal calibration software
 Creo 5080 Trendsetter VLF Quantum with 40 watt V-speed Laser
 KPG Gold Thermal plates

PAL Equipment List Continued

Digital Presses

HP 1000 (sheetfed)

Up to six colors (Typically CMYK and two spot colors)
Speed: 2000 sheets per hour (12" x 18"), four color, one-sided
Basis Paper Weight Range: 115 – 270 gsm / 78# text to 100# cover (coated);
80 – 250 gsm / 55# text to 93# cover (uncoated) for simplex printing
Substrate Dimensions: Maximum 12.6" x 18.2"
Caliper Thickness: 0.004" – 0.010" (Simplex); 0.0055" – 0.008" (Duplex)

HP 3050 (sheetfed)

Up to six colors (Typically CMYK and three spot colors)
Speed: 2000 sheets per hour (12" x 18"), four color, one-sided
Basis Paper Weight Range: 90 – 350 gsm / 60# text to 130# cover (Coated)
80 – 300 gsm / 55# text to 110# cover (Uncoated)
Substrate Dimensions: Maximum 12.6" x 18.2"
Caliper Thickness: 0.002" – 0.015" (Simplex/Duplex)

HP ws4050 (web)

Speed: 52.2 ft per minute in 4-color mode; 104 ft per minute in 1 or 2-color mode
Substrate Width Dimensions: Maximum 13"; Minimum 7.9"
Image Size: Maximum 12.1" x 17.7"
Core Diameter: 3" or 6"
Input Roll Maximum Diameter: 51.2"; Rewinder Maximum Diameter: 23.6"
Caliper Thickness: 12 – 350 micron

HP 5000 (sheetfed)

Up to seven colors (Typically CMYK and three spot colors)
Speed: 2000 sheets per hour (12" x 18"), four color, one-sided
Basis Paper Weight Range: 80 – 350 gsm / 55# text to 130# cover (Coated)
65 – 300 gsm / 45# text to 110# cover (Uncoated)
Substrate Dimensions: Maximum 12.6" x 18.5"
Caliper Thickness: 0.002" – 0.015" (Simplex/Duplex)

Kodak NexPress 2100 press

Four colors (CMYK)
Speed: 2100 tabloid sheets per hour, four color, one-sided
Basis Paper Weight Range: 80 – 300 gsm / 54# text to 110# cover
Substrate Dimensions: Maximum 13.78" x 18.5"