



WELCOME TO
ATLANTIC PRINTING & GRAPHICS
TABOR CITY, NC



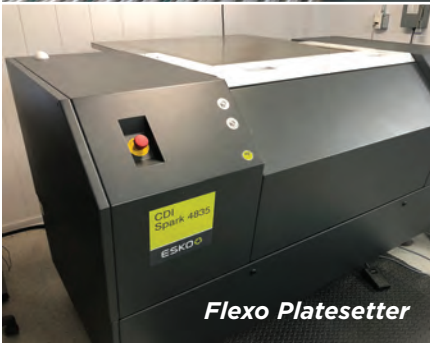


You Are Here

1. PREPRESS



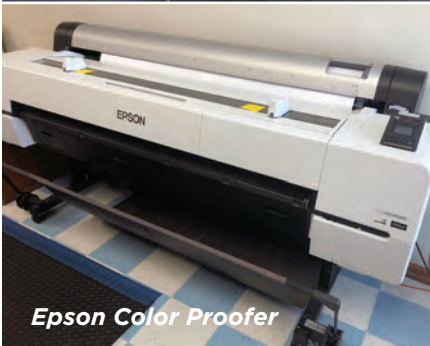
Offset Platesetter



Flexo Platesetter



CAD Table



Epson Color Proofer



Xerox Digital Printer

EQUIPMENT:

- SCREEN PTR24000 Litho Platesetter
- Esko CDI Spark 4835 Flexo Platesetter
- Kongsberg CAD Table
- Epson Color Proofers
- Xerox Digital Printers

The prepress department works closely with customer service personnel to prepare your art and structure for production. Responsibilities include:

- Receiving customer-supplied art files, and preparing them for production
 - Adobe Illustrator (.AI) files are the preferred format.
 - Warping adjustment will be made to shrink sleeve files, and digital 3D proofs are provided (see below).
- Output of G7-color compliant proofs for customer approval
- Structural design
- CAD table for structural samples and carton mock-ups
- Imposition of approved art files
- Plate-making
- Short-run digital commercial printing



A shrink sleeve proof with warping adjustment applied, and a 3D PDF proof of the product.

2. LARGE FORMAT PRINTING AND DIE-CUTTING



KBA Rapida 162A Offset Press



Bobst Die-Cutter



Bobst Die-Cutter



Bobst Auto-Packer

EQUIPMENT:

- KBA Rapida 162A 6-Color Printing Press
 - Six printing units
 - Prints conventional or UV inks and coatings
 - Large-Format Sheet Size: 47 x 64"
 - Max Caliper: 40pt
- Bobst Die-Cutter
 - Large-format sheet size
 - Always blanks in-line
- Folder/Gluer with Bobst Automatic Packer
 - Folds straight-line cartons only

The large format equipment is ideal for large volume runs and cartons that exceed the size of the standard equipment.

TARGET OPPORTUNITIES:

- Large volume
- Large flat size
- Straight-line cartons

ADVANTAGES:

- Increased number of impositions available due to large sheet size
- Multi SKUs
- Reduced sheet count
- Cost savings at higher volumes when compared to standard equipment
- Bobst Auto-Packer increases run speed on gluer

DISADVANTAGES:

- Higher price/M at lower volumes
- Cutting dies are expensive

3. PRESSROOM, DIE-CUTTING, AND FINISHING



Heidelberg CD102
Offset Press



Heidelberg Dymatrix
Die-cutter



PRINTING & DIE-CUTTING EQUIPMENT:

- Heidelberg CD102 6-Color Printing Presses (2)
 - Six printing units
 - Max Caliper: 36pt
- Heidelberg CD102-UV 7-Color Printing Press
 - Seven printing units
 - UV inks and coatings allow printing on specialized stocks
 - Max Caliper: 36pt
- Heidelberg SM102 Perfecting Press
 - Prints 2-sided commercial work in one pass through the press
- Heidelberg Dymatrix Die-Cutters (2)
 - Die-cuts and blanks in one pass
 - Smaller quantity work requires offline blanking
- Heidelberg Easygluers (2) / Omega Gluers (2)
 - Folds and glues straight-line, auto-bottom, and four-corner structures

BINDERY EQUIPMENT:

- MBO Folders (6)
- Guillotine Cutters (5)
- Stitcher

TARGET OPPORTUNITIES

- Small to large volume
- Small to large flat size
- Specialty finishing (soft touch, spot glass, foil board)

ADVANTAGES

- Small volume orders
- Multi SKUs
- Cost savings at lower volumes when compared to large format equipment
- Ability to strip/blank the scrap inline or offline – large volumes will warrant blanking dies which are more expensive, for smaller volumes we can strip the waste offline which results in lower costs for cutting dies

DISADVANTAGES

- Limited by max sheet size

4. PCMC / FLEXO



PCMC 52" Fusion C Flexo Film Press



Sun Centre High-Speed Standup Pouch Machine



Nordmeccanica Simplex SL Laminating Machine



Sun Centre High-Speed Slitting Machine

FLEXO PRINTING EQUIPMENT:

- PCMC Fusion C Flexo Film Press
 - Designed to print and rewind low-gauge films
 - 10-color printing
 - Max Web Width: 52" (1321mm)
 - Repeat Range: 14 - 30"
 - Printing Speed: 1,000ft/min (305mm/min)
 - Can run both solvent and water-based inks
- 16" Comco Proglide
 - 8-color LED
 - Runs pressure-sensitive labels or unsupported film
- 22" Comco Proglide
 - 10-color (9-color water-based & 1-color UV)
 - Runs shrink sleeves
- 13" Nilpeter / Roto Presses
 - (2) 8-color presses and (1) 13-color press
 - Runs pressure-sensitive labels
- 20" Aquaflex
 - 8-color LED
 - Runs pressure-sensitive labels
- 21" ABG Die-Cutter with Turret
 - Runs pressure-sensitive labels

FLEXO FINISHING EQUIPMENT:

- Sun Centre High-Speed Standup Pouch Machine
 - Dedicated 2-3 side seal, standup pouch with or without zipper
 - V-board folding with choice of horizontal or vertical folding
- Nordmeccanica Simplex SL Laminating Machine
 - Produces two-layer laminates with solventless adhesives
 - Max Web Width: 51"
- Sun Centre High-Speed Slitting Machine
 - Unwind Width: 300mm - 1300mm
 - Rewind Width: 50mm - 1300mm
 - Core Size: 3" & 6"
- ABG Digicon (2)
 - Finishing equipment for digital can laminate, varnish, and die-cut
- Rewinders (7)
 - Rewinders ranging from table-top to full-video inspection

5. DIGITAL / FLEXO



DIGITAL FLEXO PRINTING EQUIPMENT:

- HP Indigo 6800 with Inline Primer
- HP Indigo 6900 with Inline Primer

TARGET OPPORTUNITIES FOR DIGITAL

- Small volumes
- Large amount of SKUs
- Sequential numbers/security
- Consistent regulatory changes
- Promotional/sales/marketing samples
- Reduce inventory

ADVANTAGES

- No plate charges
- Tight color tolerances for critical color needs
- Graphics can change with every order if needed
- Wider color gamut than typical digital print

DISADVANTAGES

- Higher price/M
- Narrow width - size limitations
- Specialty material need TBD for digital - Higher MOQ



TARGET OPPORTUNITIES FOR FLEXO

- Medium to large volumes of pressure-sensitive labels and shrink sleeves
- Standard labels, tags, deadened adhesive, cold foil

ADVANTAGES

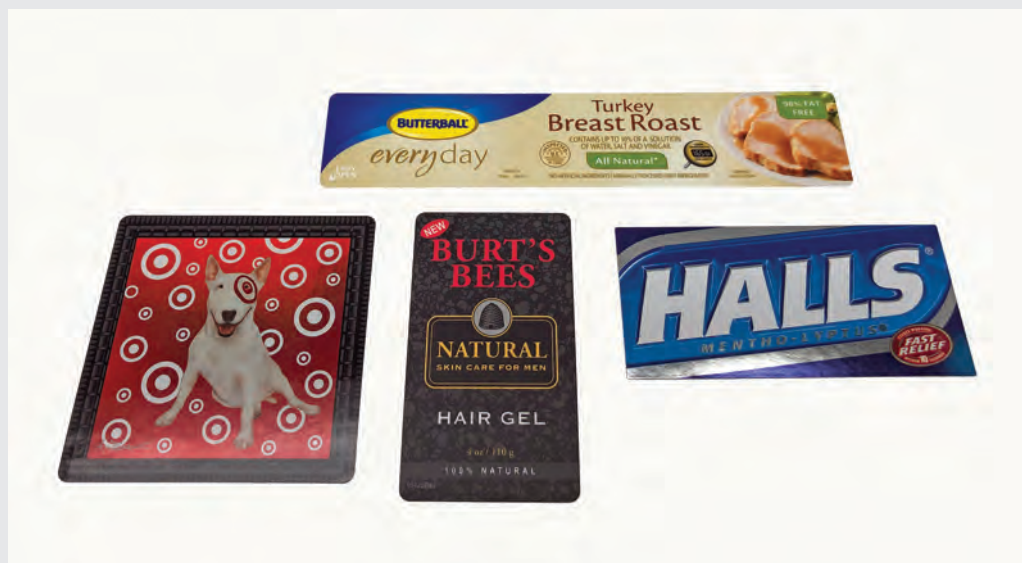
- Fast run speeds lead to a lower price/M at high volumes

DISADVANTAGES

- Plate charges



SAMPLE PHOTOS



SAMPLE PHOTOS



Atlantic Printing & Graphics holds the following certifications:

- **ISO 9001-2015**
Certified Since 2016
- **Sustainable Forestry Initiative® (SFI)**
Certified Since 2023

QUALITY CONTROL



Our quality department employs a comprehensive set of tools and procedures to ensure consistent quality throughout the production process.

- Barnstead Oven 120: Method used to oven-cure printed press material to obtain a fully-cured specimen prior to testing inks and coatings. This simulates an approximate 24hr curing process.
- Zebra ZT620(DT) and ZEBRA ZT410(TT): Testing available for proper direct-thermal and thermal printing requirements.
- Mecmesin MultiTest Tensile Tester: Tests to ensure proper tensile strength on various materials.
- Sutherland Ink Rub Tester: A motor driven instrument for moving a weighted test strip over a printed specimen to ensure proper ink adhesion is present.
- Thwing-Albert Friction Peel 2255: Tests the proper force requirements for both Static (start movement) and Kinetic (maintain proper movement).
- Thwing-Albert PCS Score Bend Tester: Testing to check the force required when bending or forming scores on a folding carton.
- Sencorp 12AS/1 Heat Sealer: To ensure consistent adhesion/formability on various heat-sealable materials.
- Stratix Xaminer Elite & QR/UPC Integra-LVS 9510: To ensure both UPC and QR codes are tested at the beginning and throughout printing production verifying that the QR codes and UPC codes are both within specification and function as required.

INFO NEEDED TO QUOTE:

OFFSET - FOLDING CARTONS:

- Customer-supplied dieline preferred
- Paper Type: SBS/SUS/CRB/Kraft
- Paper Caliper: 10pt - 36pt
- Colors: 4CP, PMS
- Coatings: Conventional AQ satin/gloss, UV matte/gloss, UV soft touch, UV spot gloss
- Finishings: diecut, emboss, foil stamp, glue, tape
- Quantity (MOQ = 5,000 pieces)

OFFSET - COMMERCIAL PRINTING:

- Page count
- Flat size
- Folded size
- Material
- Colors - 4CP, PMS
- Fold pattern
- Quantity

FLEXO / DIGITAL:

- Label size
- Label shape
- Material (adhesive, liner)
- Application
- Number of colors
- Lamination or varnish
- Quantity
- Number of SKUs
- Wind direction / Copy position
- Hand or auto-applied
- Core Size
- \$250 Minimum Order

KEY CONTACTS

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