



SidePouch™

A PRODUCT OF AUTOMATED PACKAGING SYSTEMS

ART GUIDELINES MANUAL

Prepared by the Art Department of Automated Packaging Systems, Inc.
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WELCOME TO AUTOMATED

The Pre-press Group at Automated Packaging Systems is staffed with highly trained specialists ready to assist customers with a wide variety of services.

The purpose of this manual is to help you understand the requirements to produce the high quality printing that has become a trademark of Automated Packaging Systems.

Good art is essential for high quality printing in flexography. It should not only anticipate potential advantages of flexography, but also the inherent limitations of the flexographic process. One of the most over-used and under-qualified phrases that the Pre-Press group encounters is "Use camera-ready art supplied". At least 95% of all art that is supplied by customers has to be handled by an artist in the Art Department. Although art is often received in a clean and well-constructed form, it is sometimes unusable "as is" because it was not designed for flexographic printing or did not take into account Automated Packaging Systems' manufacturing requirements.

Flexographic art is entirely different from art designed for offset or letterpress. Flexography is defined as "a method of direct rotary printing using resilient, raised image printing plates, affixed to variable repeat plate cylinders, inked by a roll or doctor blade wiped engraved metal roll, carrying fluid or paste type inks to virtually any substrate". The primary substrate that we print on is a stretchable form of Polyethylene. There are many factors that must be considered before the finished art can be prepared. Automated Packaging System's Pre-Press Group is uniquely qualified to interpret the customer's wishes into an art of the highest quality, yet retain the reliability and simplicity required for efficient production. It is critical at the outset to prepare artwork with all the allowable tolerances and sharp, clean, mechanical elements, because the print job will never be better than the art.

ABOUT OUR SYSTEM



We currently use Macintosh computers to prepare the Graphics. The applications we use are Macromedia Freehand, Quark Express, Adobe Illustrator, and Adobe Photoshop.

We would like you to fill out a Digital Art Specifications Form for any digitally created art you supply. This form is available on page 9 of this manual. It is essential that you include any supporting art (i.e. Tiff and EPS files, UPC codes, etc.) that is used in your file. We have a library of standard fonts, but you should send your own fonts used in your files. Not supplying these items will only lead to delays in producing your art. Please provide a color print of the graphics so we can process your art faster.

We are a FLEXOGRAPHIC printer and several adjustments to graphics must be made for our printing presses and packaging machinery so we prefer you send graphics on CD's or DVD, email or FTP Site. Please do not send negatives. We will also do the trapping of colors for our process.

We print Screen Tints and Process Print at 110 lines per inch. Our presses require us to print screen angles 8 degrees off of standard LITHOGRAPHIC angles. All 4-color process arts must first be reviewed by the Graphics Customer Service Team.

The following pages provide a guideline for layout, size, color traps, etc. This is only a guideline. If you already have graphics available, we are fully staffed to make those adjustments digitally on the Mac.

By referring to this guide, you will save valuable time in getting your art to press and ultimately bags to your facility.

COLOR

MATCHING

- We have the ability to match Pantone Matching System (PMS) colors.
- We can also custom match a sample supplied by the customer.

PRINTING COMBINATIONS

- Six stations on press.
- Varnish overcoat requires one station.
- Target recognition requires one station (if required).

PRINTING SEQUENCES

Color laydown is from lightest to darkest. TRS prints on all Sidepouch bags, unless the bags are handloaded (no bagger).

Example:

- 1) White
- 2) Yellow
- 3) Red
- 4) Blue
- 5) Black
- 6) TRS

OPACITY

- Inks are basically transparent.
- Use metallic inks or dark colors for greatest opacity.
- Colors are enhanced when printed over white, but still may be transparent.

TRAPPING

- Holding lines should be 1-1/2 (1.5) point size minimum for registration.
- Adjoining colors must overlap by at least 1/64" (.0156") although 1/32" (.0312") is preferred. All trapping will be handled by our imaging department software.
- One metallic color cannot be printed over another metallic color.
- Color Traps (examples):
 - Blue over yellow produces green trap
 - Blue over red produces dark blue trap
 - Green over orange produces dark green trap
 - Pink over yellow produces red trap

BARCODE SPECIFICATIONS

Below you will find Automated Packaging Systems Flexographic specifications for making barcodes for printing and scanning. If you cannot or do not have the software to create barcodes, the art APS department can create all codes in our Macintosh system *if* we have the complete information about the code.

Standard 95%



.75" Minimum
UPC Truncation



3 of 9



ALL BARCODES REQUIRE A 3.5 MIL BAR WIDTH REDUCTION (BWR)

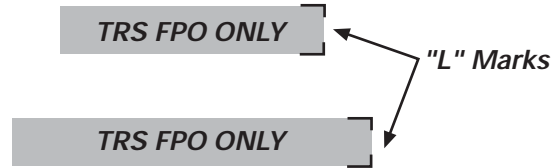
128	No more than 18.0 CPI (characters per inch) No less than .0101 narrow bar
Code 3 of 9	No more than 6.8 CPI No less than: .0117 narrow bar; 2.4 ratio
Interleave 2 of 5	No less than: 30% code; .38" high; 2.4 ratio; .0120 narrow bar
UPC / EAN	No less than 90% magnification / .75" high

NOTE: PLEASE REFERENCE PAGE 5 FOR PRINT DIRECTION OF BARCODES ON SIDEDPOUCH BAGS.

SIDEMARK REFERENCE

TRS

- Target registration mark that Sprint and SP-100 baggers use to index bags through the loading machine.
- Location for **SP-100**: 1/2" from side
1/2" from bottom
1 3/8" long
- Location for **Sprint and FAS-Sprint**: 1/2" from side
1/8" from bottom
1 7/8" long



*TRS can be on either the front or back, left or right.

"L" marks are to print on the edge of the TRS mark and will assist the Mounting, Press, and Converting Departments in verifying the correct position of the TRS. They will be in the darkest color available and will be on the same plate as the eyespots. They will be on the bottom end of the TRS (bottom of bag), right on the edge. They will be 1/8" along the length and 1/16" along the width of the TRS.

PLEASE NOTE THE ABOVE INFORMATION APPLIES TO ALL NEW APPLICATIONS. THERE ARE SOME ARTS IN EXISTENCE THAT VARY FROM THIS STANDARD.

EYESPOT

- A target mark is used by APS Converting Equipment. The eyespot is trimmed off by the SP-100 and Sprint Baggers.
- Location: 1/4" from bottom of bag, split side-to-side
1/2" long
1/8" tall
printed in darkest color available

PRINT TO SEAL LOCATIONS

- 1/4" from edge of art to inside of heater bar seal (side seal)
(.4375" from art to outside edge of bag)
- 1/8" from manufacturing seal or fold (top of bag).

PRINT COMBINATIONS

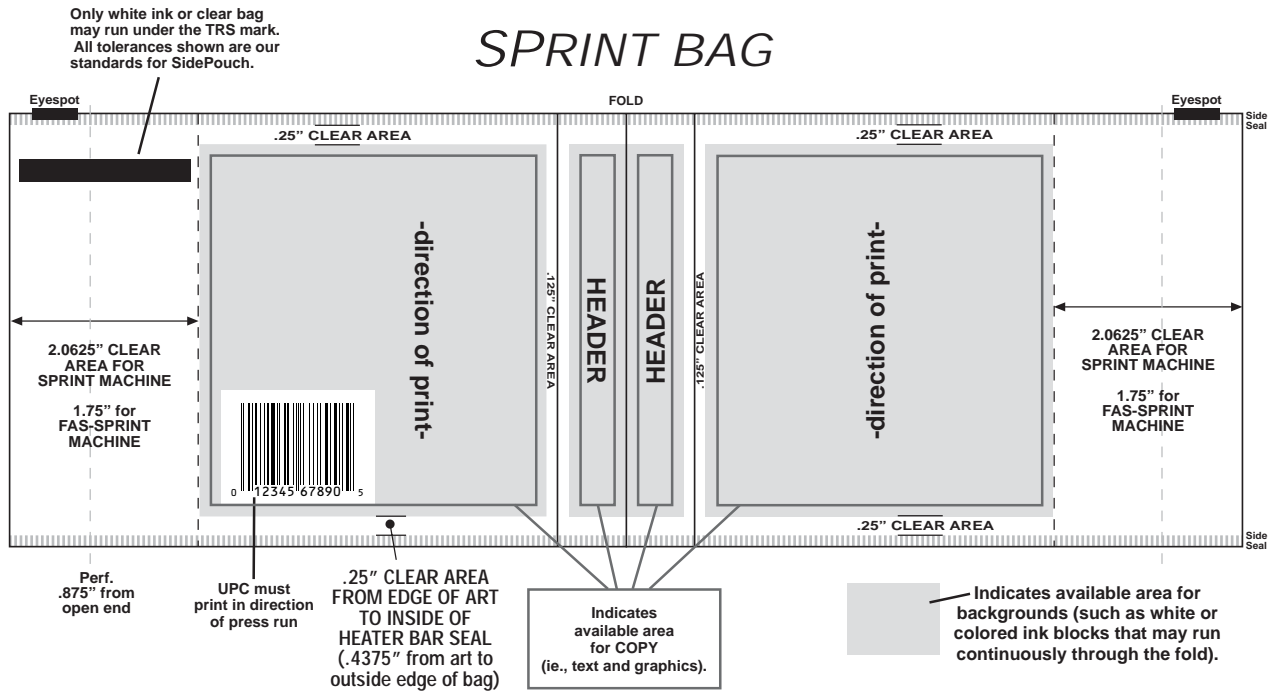
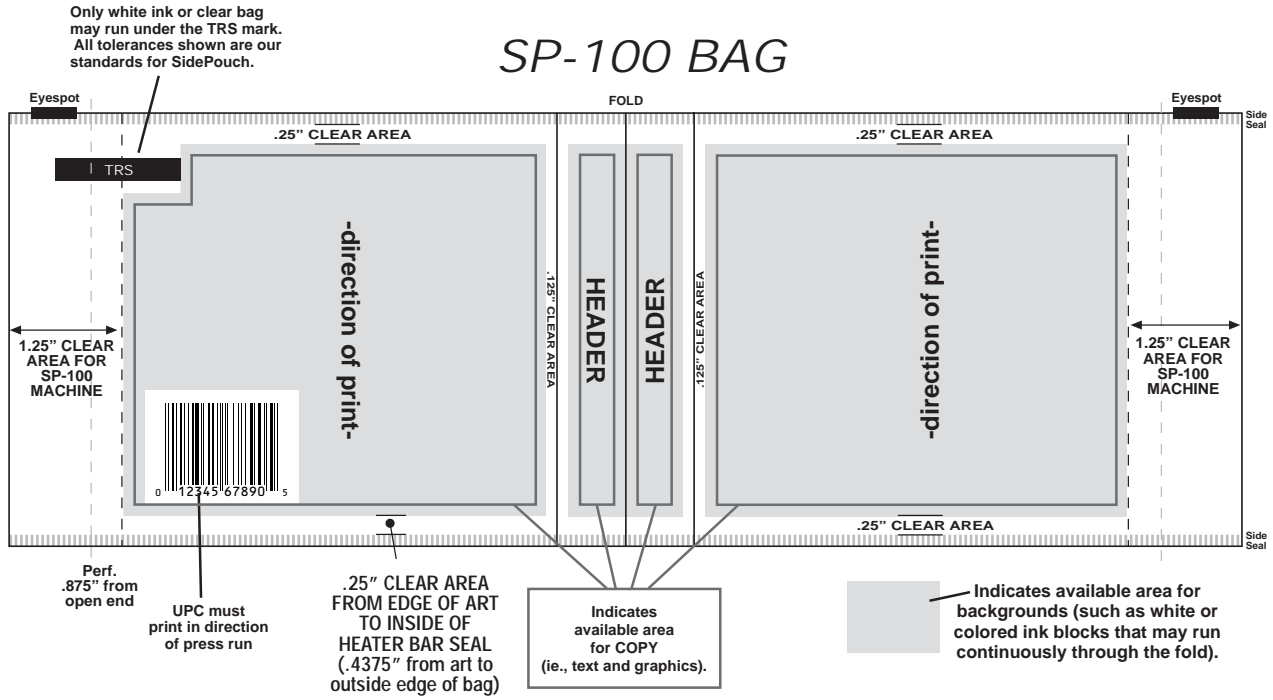
- Five available stations on press
- Target registration requires one station
- Varnish overcoat requires one station

MAXIMUM COMBINATIONS

- Six colors, no target registration (handload, no machine)
- Five colors and target
- Four colors, varnish, and target

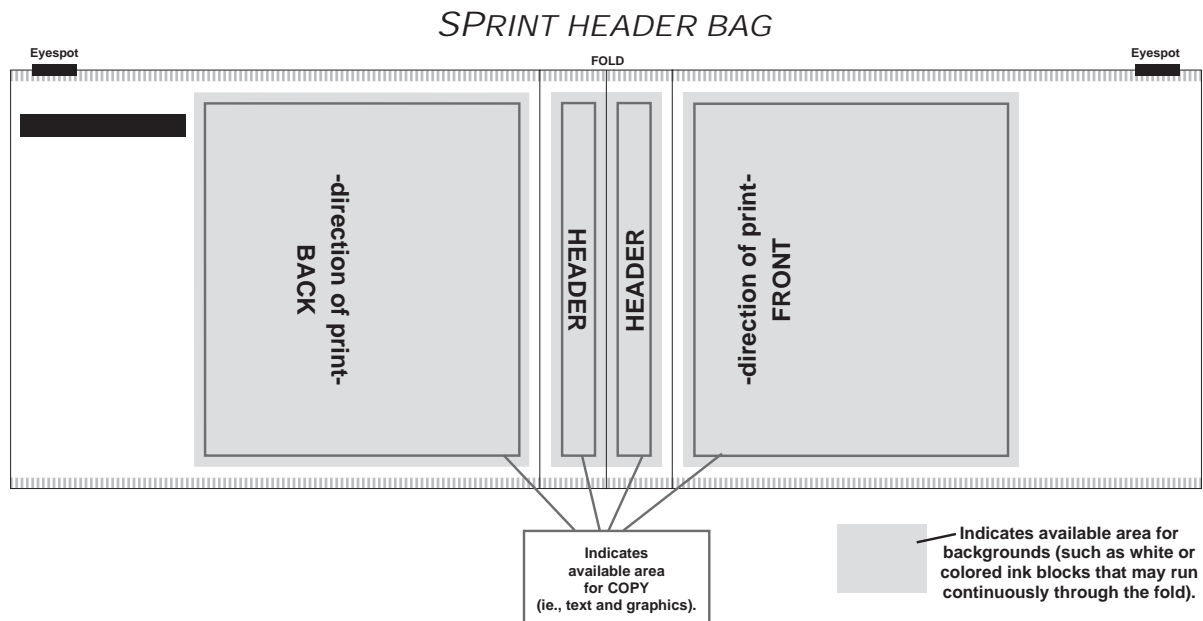
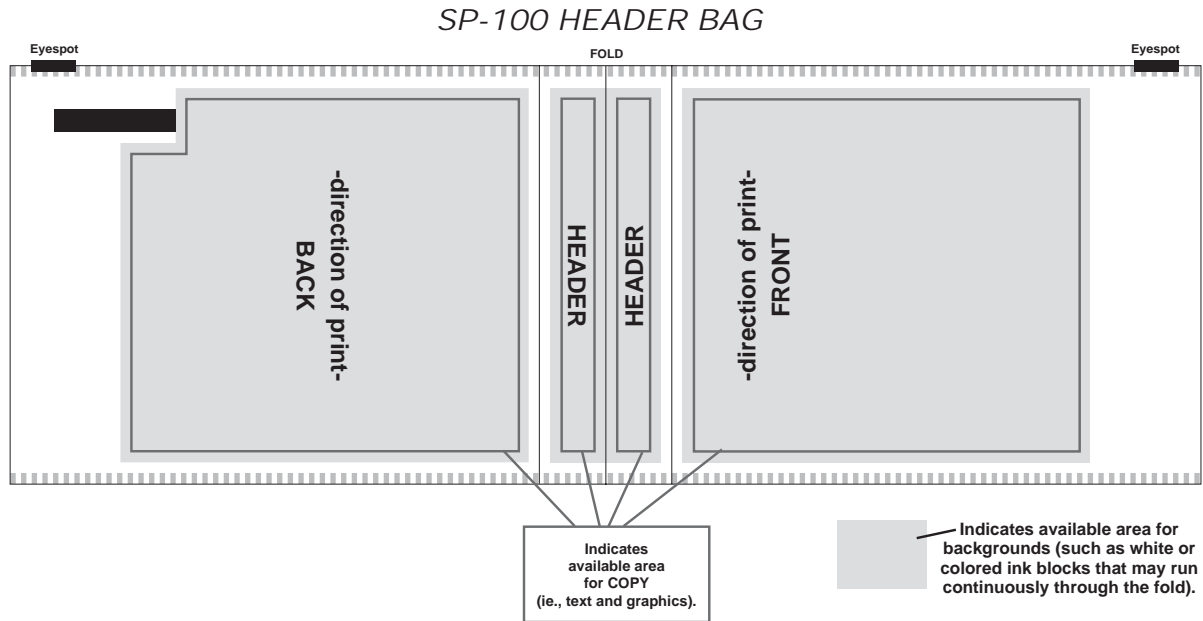
SidePouch Specifications

Measurements are not to scale



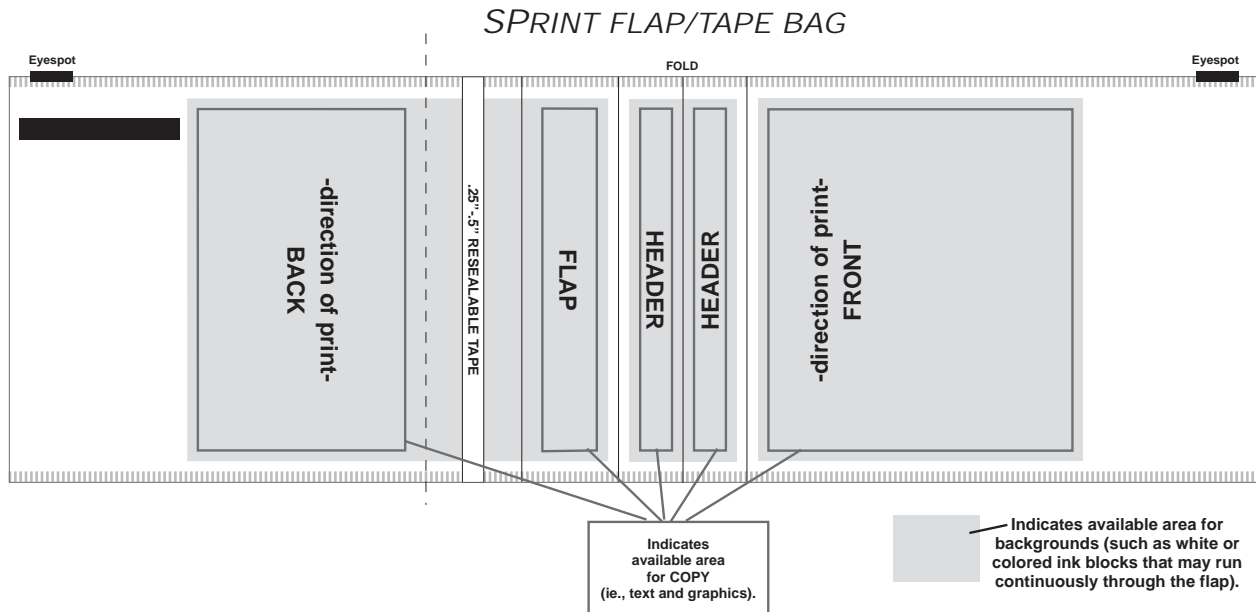
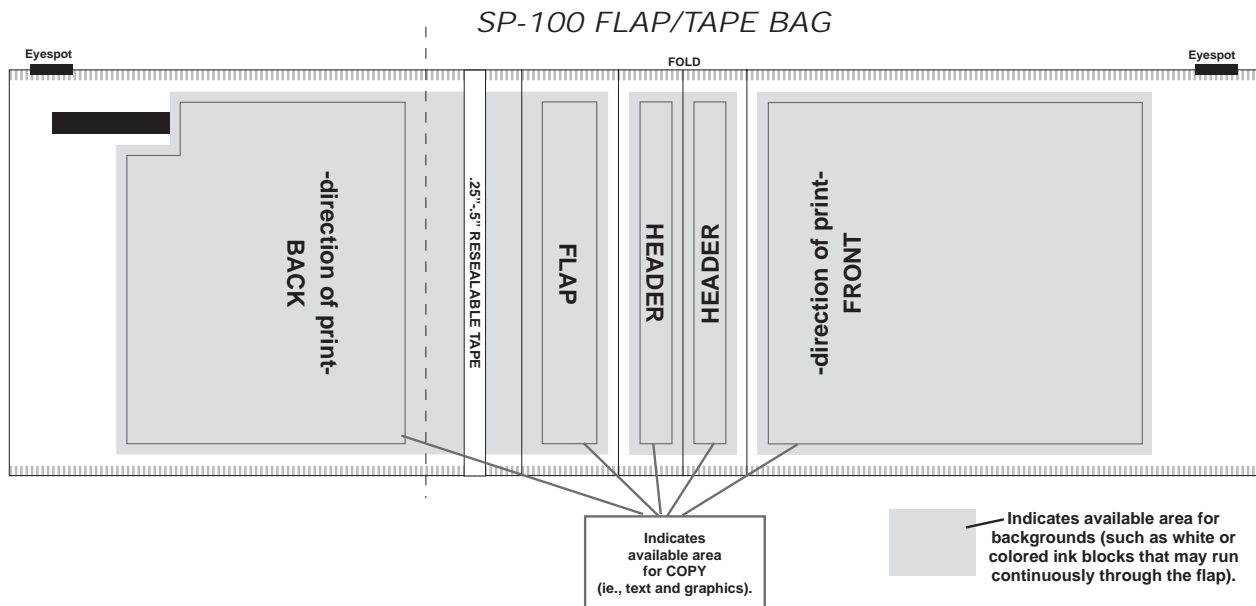
See SidePouch Reference page for further details

SidePouch Header Bags



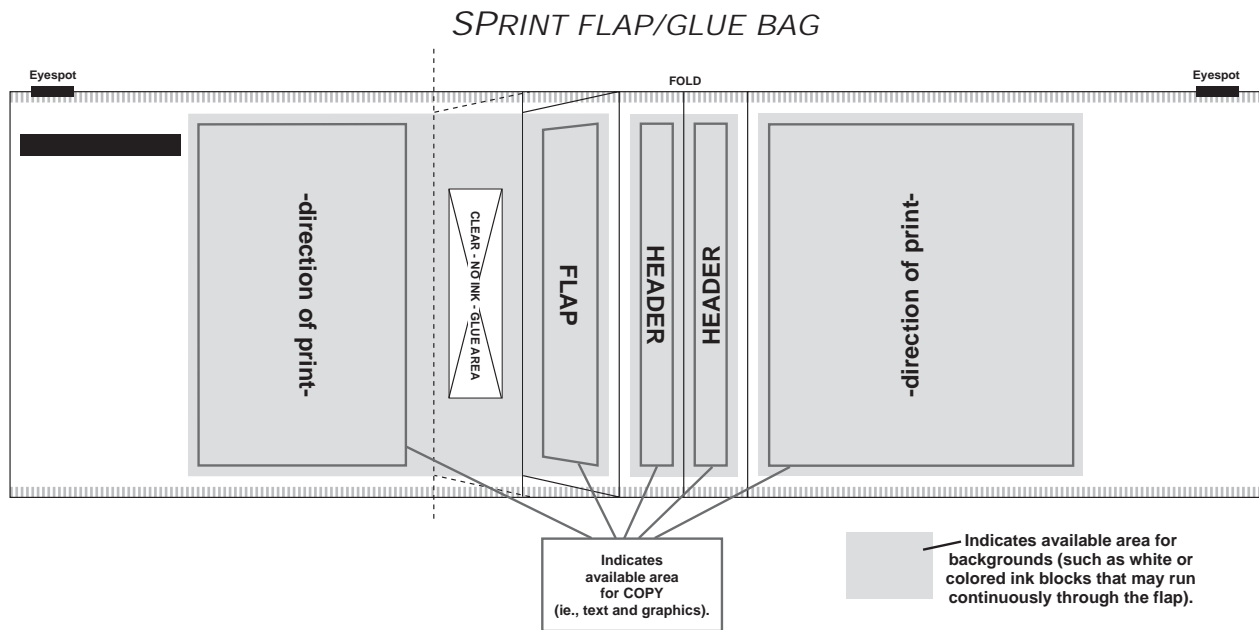
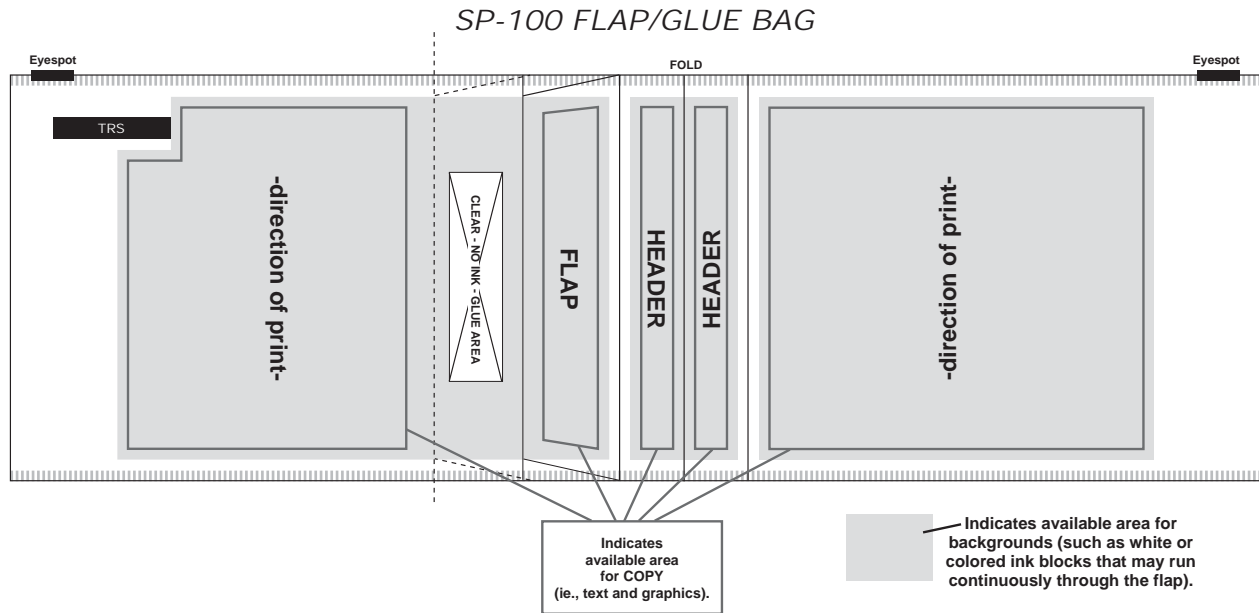
See SidePouch Reference and Specification pages for further details

SidePouch Flap / Tape Bags



See SidePouch Reference and Specification pages for further details

SidePouch Flap / Glue bags

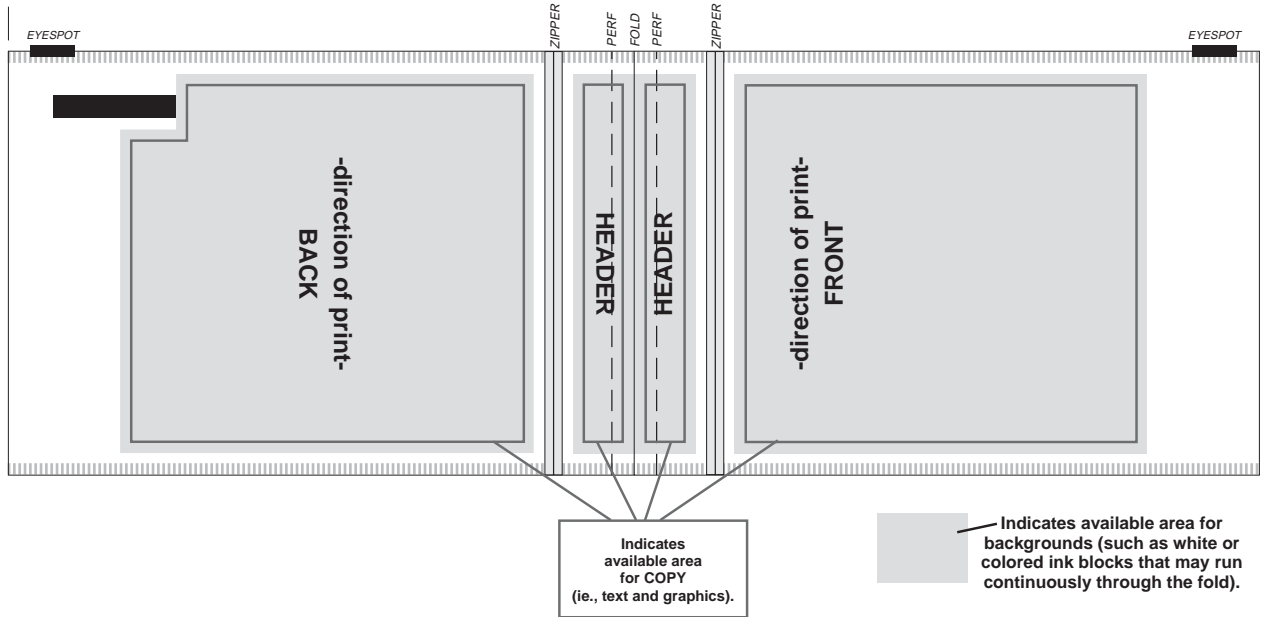


See SidePouch Reference and Specification pages for further details

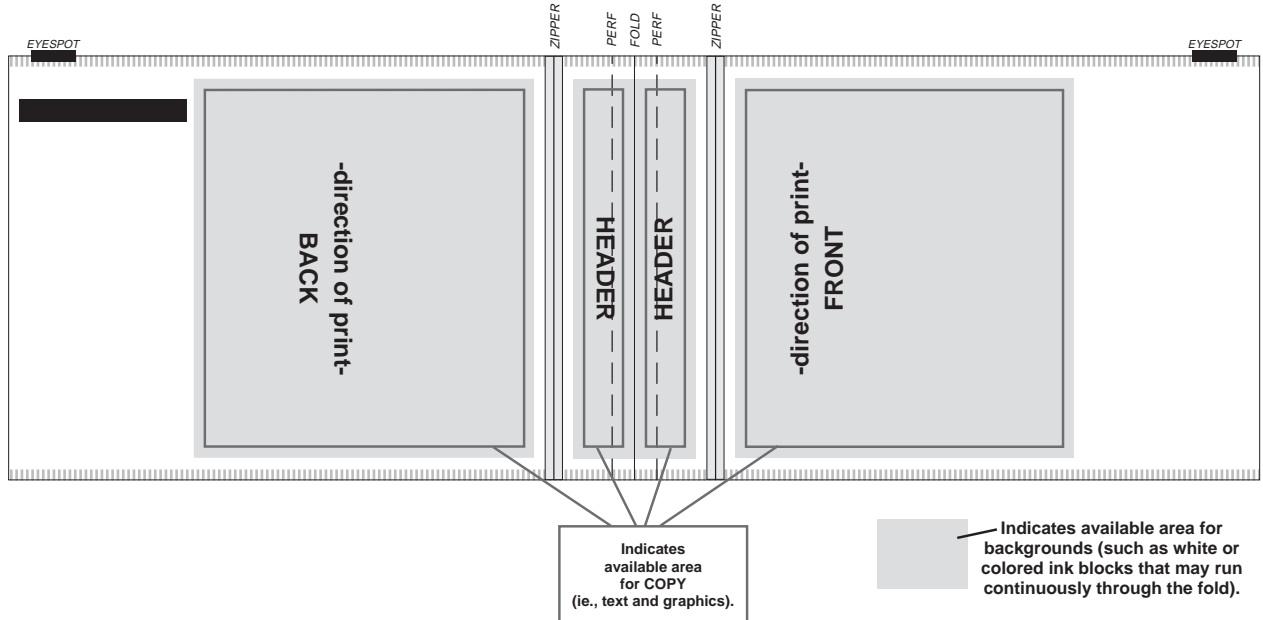
SidePouch Zipper Bags

Can be ordered with or without Perf

SP-100 ZIPPER BAG



SPRINT ZIPPER BAG



See SidePouch Reference and Specification pages for further details

FEATURES AND TOLERANCES

HOLES, PUNCHES, PERF

AIR RELIEF HOLES:


PERFED (PRFD) OR THROUGH (AIR)

- 1/4" Standard
- Allows air to escape for flatter pkg.
- Avoid open end


ROUND HANGER HOLES (HGR)

- 1/4" to 2" (1/4" Standard)
- Centered in header if position not specified
- Larger holes serve as door knob/hangers

BUTTERFLY HANGER HOLE (BTR)

- Retail use
- 1" or 1.25" width 

TRIANGLE HANGER HOLE (TRI)

- Retail use
- 1.25" wide x 3/8" 

HORIZONTAL PERF (HEP)

- Runs parallel to manufactured seal

BAG SIZES:

All bag sizes may vary +/- 3/16" in the width and +/- 1/8" in the length.

SPECIAL FEATURES

All special features can vary +/- 1/8". This includes hanger holes, air holes and perforations.

PRINTED GRAPHICS:

Art can move +/- 1/8" horizontally and vertically. **Warning: it is possible for the art to float within tolerance and the feature to float within tolerance to the point where the tolerances overlap and cause some art to be unreadable, punched out, etc.**

CLEAR AREAS:

A minimum 1/8" clear area is required between the print area and the top of the bag, or 1/8" from the header seal if a header is present.

A minimum 1/4" clear area is required between the print area and the side seals.

CLEAR SEALING AREAS:

Each model of machine has its own requirement for clear (No Printing) sealing area at the open end of the bag (where the customer's product is loaded)

SP-100 Bagging system: Requires 1.25" clear at open end of bag (bottom)

FAS-SPrint Bagging system: Requires 1.75" clear at open end of bag (bottom)

SPrint Bagging system: Requires 2.0625" clear at open end of bag (bottom)

IMPRINTING:

The imprint area must be larger than the actual imprint copy by 3/4" in both length and width. Be sure to plan with the maximum imprint area for this bag if multiple imprints will be used. **FAILURE TO ALLOW PROPER MARGIN FOR IMPRINTING MAY CAUSE THE IMPRINT COPY TO FALL OUT OF THE PLANNED IMPRINT AREA.** Once the bag is printed, the only solution is to reduce the imprint copy.

TYPE SIZE:

The minimum size for POSITIVE Type is 5 Point for Sans Serif typefaces. Reverse copy must be at least 6 Point BOLD -Sans Serif typefaces. Serif or decorative faces should be made larger. In many cases, art design may require the type size to be below our minimum size requirements. It is not uncommon for type "fill in" to occur, especially with reverse copy. (APS cannot guarantee the print will be readable)

REGISTRATION:

All colors that touch will have a standard 1/32" overlap or "trap" to allow for proper registration. This can create a discoloration with certain color combinations. Whites are undercut 1/16" where applicable.

FLEXOGRAPHIC TYPE SPECIFICATIONS FOR GUARANTEED READABILITY

See next page

- Minimum **positive** type is 5 point **Sans Serif**.
- Minimum **reverse** type is 6 point **Bold Sans Serif**. For reverse print, the bolder the style, the better the reproduction.
- Minimum positive line gauge is 1 point.
- Minimum reverse line gauge is 1-1/2 (1.5) points.
- Thin positive lines and type may print broken or wavy and may be unreadable.
- Thin reverse lines and type will fill in and may be unreadable.

TOTAL PLATE COSTS

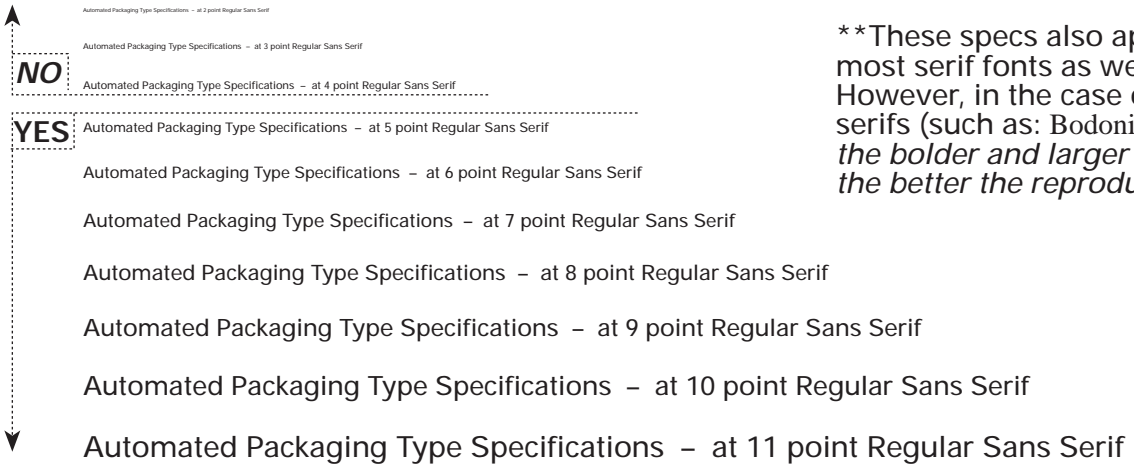
(includes art, Imaging and plate department's, labor and material)

- Artwork **WILL NOT** be worked on until a signed plate quote with a P.O. is received from the customer. All new and revised arts will be quoted automatically.
- Customers are billed for the first set of plates.
- If a customer makes changes to an existing design, they are billed for only the plates that change.
- When plates wear out, APS will replace them at no cost to the customer as long as no changes are needed. **NOTE: Buyer's artwork, drawings and/or blueprints ("Artwork") will be destroyed in the event that no bag orders with that artwork are placed by Buyer for a period of four years.**
- APS will not run other plates other than our own on our presses. Our presses are tested and set-up to run our specific type of plate material and thickness.
- Final art and plates are stored on site for reruns.

APPROVAL OF ARTWORK

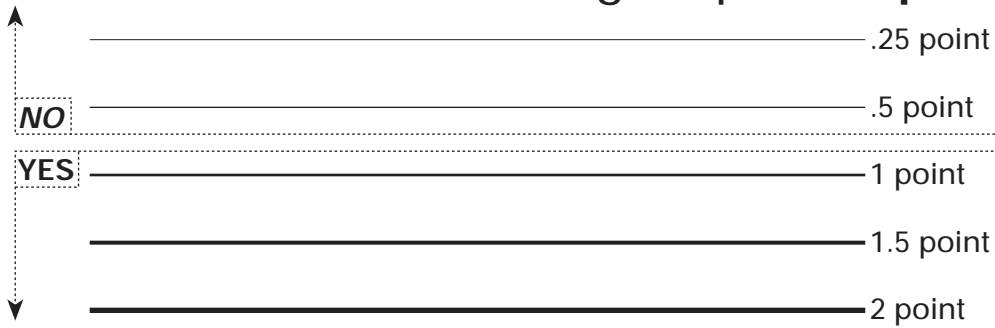
- All new art and all revisions will be proofed by customer prior to scheduling of order.
 - Proof formats:
 - Pdf (Adobe Acrobat) file that can be emailed to speed up approval process.
- Note: This type of proof can only be used if color swatches do not have to be approved
- Fax copy (revisions and simple new art)
 - Digital Black & white or color paper proofs (new artwork)
 - Color acetate overlays (new artwork, complex or bag mock-ups)
 - Digital color match proofs (Process print or color critical arts)
- Color samples of the actual Inks on Polyethylene are provided for color approval.
 - Any revision requires written approval.
 - **Production of your order cannot begin until we receive your fully reviewed and signed approval.**

Minimum Positive Type Spec is 5 point Regular Sans Serif**

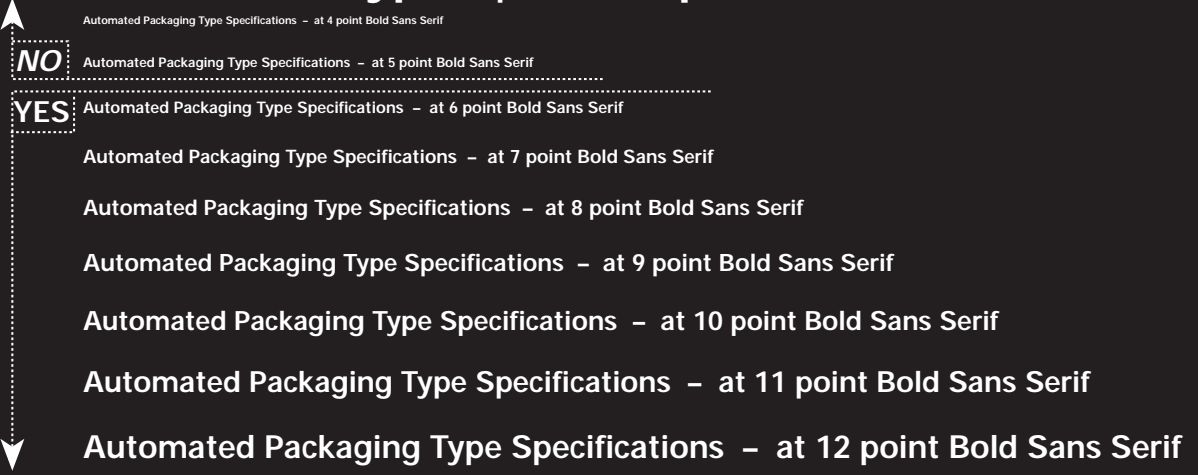


**These specs also apply to most serif fonts as well. However, in the case of thin serifs (such as: Bodoni Fonts), *the bolder and larger the style, the better the reproduction.*

Minimum Positive line weight Spec is 1 point.



Minimum Reverse Type Spec is 6 point Bold Sans Serif



Minimum Reverse line weight Spec is 1.5 points.



Digital Art Information Form

Providing the information requested below for all digital jobs submitted to Automated Packaging System's Art Department, will help us process your graphics. It also reminds you to include ALL supporting art (EPS's, Tiffs, etc.) and fonts that were used to create the graphics for output.

<u>Files</u>	
Name: i.e. "Sample Bag	Type: i.e. Freehand
Front"	Type:
Name:	Type:
Name:	Type:
Name:	Type:

<u>Supporting Art Files</u>	
Name: i.e. "Graphic	Type: i.e. Adobe Illustrator
Front.eps"	EPS
Name:	Type:
Name:	Type:
Name:	Type:

<u>Fonts</u>	
Please list ALL fonts used in files:	

Please provide a COLOR print of graphics along with your disk.

<u>Contact for Questions:</u>	<u>Special Notes</u>
Name: _____	_____ _____ _____ _____ _____ _____
Company: _____	
Address: _____	

Phone: _____	
email: _____	



APS COMPUTER EQUIPMENT AND APPLICATION INFO SHEET

Art Department • 13555 McCracken Rd. • Garfield Heights, OH 44125 • 1-330-528-2462

We hope this information will help you in preparing your artwork on the Macintosh computer in the future. We are equipped to prepare Macintosh files for flexographic printing using your Mac files. We will be glad to get you started by making you a template of the bag size you are ordering showing the available art area. Please call the phone number at the top of this page or see our sales person for further details.

PLEASE: Provide a MACINTOSH disk AND a COLOR PRINT of your Graphics.

Email can be used to receive most types of files from customers and to send pdf proofs that don't require a color ink swatch to be approved by the customer. However, a full size color printout is still needed and should be sent with the Art Specification sheet through the APS Sales person.

If the art will be sent via email, please send a pdf for comparison and accuracy.

Art Department email: artdept@autopkg.com

FTP site: <ftp://ftp.autobag.com> user:artftp password: art\$stuff

(If you are uploading to the ftp site, please send the art dept. a notification email.)

The Macintosh applications we use are: Please call for latest version available.



Macromedia
FREEHAND



Adobe
ILLUSTRATOR



QUARK
Express



Adobe
PHOTOSHOP

- We CANNOT use WINDOWS FONTS.
- We can convert SOME WINDOWS files.
- If you use Corel Draw, you MUST save the file as a "MACINTOSH-Adobe ILLUSTRATOR" file and convert the fonts to shapes or paths.

Current Equipment:

Macintosh: G4's and G5's

Scanners: Canon color scanner for logo's and line art - NOT 4-Color Process

Removable Media: CD and DVD.

Printers: HP Laserjet 5000N (black&white), Xerox Tektronix Phaser color laser,
HP Plotter DesignJet 755CM (large color). AGFA Sherpa 44 for process arts.

Output Devices: Afga Avantra44 with Artwork Systems Nexus software

FAQ's

- QUESTION: WHY DOES MY BAG SIZE HAVE TO BE LONGER THAN THE FINISHED SIZE?
ANSWER: To accommodate the Clear Seal Area required by your Autobagger after the product is loaded.
- QUESTION: WHY CAN'T MY TYPE BE SMALLER?
ANSWER: The light sensitive characteristics of a Photopolymer Plate only allows a certain minimum spec for clean and legible Reverse and Positive print. The spec for REVERSE print type is 6 POINT BOLD and 1-1/2 POINT FOR LINES. The spec for POSITIVE type is 5 POINT REGULAR SANS SERIF and 1 POINT FOR LINES. To better visualize Reverse and Positive print along with their specs, please see page 11 of our Autobag Art Guideline Manual and page 13 of our SidePouch Art Guideline Manual.
- QUESTION: WHY DOES THERE HAVE TO BE 1/4 INCH CLEARANCE ON THE LEFT AND RIGHT SIDE OF MY BAG AND ALSO 1/4 INCH CLEARANCE ABOVE AND BELOW THE MANUFACTURER'S SEAL?
ANSWER: Our manufacturing process in the converting of the printed sheet film to bags has tolerances that can drift from left to right and up and down. This could cause for the print to be out of center and seals that could seal over the print.
- QUESTION: CAN YOU PRINT PROCESS COLOR ON POLYPROPYLENE?
ANSWER: Yes. However, a polypropylene white ink must be laid down first. Also keep in mind that the white underlay must be extended beyond the entire image.
- QUESTION: CAN YOU PRINT A BAG WITH PROCESS COLORS USING AUTOGRAFIX INKS?
ANSWER: No. Currently there are no Autografix process color inks available.
- QUESTION: WHY DO I NEED TWO WHITES WITH AUTOGRAFIX INK FOR UPC CODES?
ANSWER: When UPC codes are printed by Automated Packaging Systems, two layers of white are necessary due to the fact that the intensity of the Autografix white is not as intense as our standard white.
- QUESTION: WHY DOES THE ART DEPT SOMETIMES INDICATE AN INK NUMBER ON MY PROOF OTHER THAN MY SPECIFIED PMS COLOR NUMBER?
ANSWER: APS formulates our own ink. Our coding system does not allow us to use PMS numbers for our formulas.
NOTE: OUR INK LAB NEEDS TO KNOW THE APPLICATION AND CONTENTS OF THE BAG TO ALLOW THEM TO MATCH TO THE PROPER INK SYSTEM.
- QUESTION: WHY DO YOU TRY TO REDUCE THE AMOUNT OF COLORS ON MY ART?
ANSWER: This is due to the number of color printing stations on our presses. The maximum number of colors that we can print at one time for Autobag is SIX. The maximum number of colors for SidePouch are only FIVE based on the fact that the sixth station is utilized for the TRS mark.
- QUESTION: WHAT ARE STEP AND REPEAT NEGATIVES?
ANSWER: STEP and REPEAT Negatives are multiple images of the same color on one negative. Based on the number of colors in the art, the entire set of negatives are then fixed together by a special means to provide perfect registration during the Platemaking, Mounting and Printing process. The cost to provide this type of service for complex fitting arts is high.
- QUESTION: WHY DOES THE UPC HAVE TO PRINT IN ONE DIRECTION?
ANSWER: UPC and all barcodes must print in the direction the press is running so that the LINES in the code are as straight as possible. If they printed opposite of the press direction of print, they would print wavy and most likely, unscannable. This is a flexographic printing standard.
- QUESTION: WHAT KIND OF DIGITAL ART FILES DO YOU ACCEPT?
ANSWER: We accept Macintosh files from Adobe Illustrator, Macromedia Freehand, Quark Xpress. We also must have the supporting art (placed images) as "eps" or "tifs" from Adobe Photoshop @ 300 dpi for Process images and at least 600 dpi minimum for line art images 100% size. We can use some PC files if they were created in one of the above programs, but cannot use windows fonts.
- QUESTION: WHY CAN'T YOU E-MAIL ME THE ART PROOF?
ANSWER: (On jobs that we need to send color swatches) We don't email or fax arts for approval that need color swatches because the prints are not accurate to the colors that will print on the press. Our ISO procedures require us to show the actual printed ink on poly material.
- QUESTION: WHY DOESN'T THE PRINTED PROOF MATCH THE PMS COLORS I ASKED FOR?
ANSWER: The printed paper proof will not match the actual ink that will be printed. This is why we include the actual printed ink on poly swatches with the proof for approval.
- QUESTION: WHY DO I NEED A SPEC SHEET FOR SUCH A MINOR REVISION?
ANSWER: Our ISO instructions require us to follow certain procedures which are most accurate and quality minded to make sure revisions are made and old art destroyed. Even minor revisions of an art that has already been approved.
- QUESTION: WHAT DO I DO WITH A "CAD" DRAWING OR BLUEPRINT IF I HAVE ONE?
ANSWER: It is very important that you send drawing(s) in with the Spec sheet or directly to the Graphics Customer Service Team for review.

QUESTION: WHY DO THERE HAVE TO BE "HOLDING LINES" AROUND MY ART?

ANSWER: "Holding lines" are placed around certain art/type that is made up of TWO or more colors printing over each other. This "holding line" will hide any registration problems that could occur.

QUESTION: WHY DOES SCREEN ART COST MORE THAN LINE ART?

ANSWER: "Screen art" costs more than "Line art" because the process is more complex in building the art, making of the negatives and plates, and maintaining cleanliness throughout the printing process.

QUESTION: WHY DOES PROCESS ART COST MORE THAN LINE OR SCREEN ART?

ANSWER: "Process art" costs more than screen art because it is even more complex and requires much tighter registration, negative, and plate making processes. It also requires a special "press match" type of proof.

QUESTION: WHAT ARE LINE, SCREEN, AND PROCESS ART TYPES

ANSWER: Line print is art that prints in solid colors (no gradations or screens). Screen print has art that uses dots to print gradations, tints, and halftones (105 dots per inch). Process print uses Yellow, Magenta, Cyan, and Black inks screened over the top of each other to create a "full color" photo or art that looks like it is printing with more colors than just the 4 - CMYK.

QUESTION: WHAT IS AUTOGRAFIX PRINT?

ANSWER: Autografix print is artwork (usually a block) that prints off the boundaries of the bag giving it a full coverage "colored poly bag" look. It uses special inks that allow us to seal through them.

QUESTION: WHAT IS A "TRAP"?

ANSWER: A trap will be made when at least 2 colors that meet and overlap one another to help in registration problems on press. Very tight traps dictate the Step & Repeat process.

QUESTION: WHAT IS THE CURRENT "REV LEVEL" OF A PRODUCT?

ANSWER: The current "Rev level" is the latest revised version submitted by the customer for changes to be made to their existing art. We must go to the QA files to retrieve the information.

QUESTION: CAN WE MAKE A SPECIAL BAG AND SPECIAL FEATURES?

ANSWER: Special bags or features must be Pre-Approved by manufacturing.

QUESTION: HOW SOON CAN I GET MY REVISED PROOF?

ANSWER: For non-process arts the requested revision will be placed in our schedule for a new promise date of three days from the date that we received them (Process arts at 6 days). The revisions need to be stated on the Art Approval Form and faxed to the Art Dept. Also, please fax us a copy of the proof for clarification of the edits. We will try to provide you a new proof sooner, but please keep in mind that we have other customer proofs in our promised schedule.

QUESTION: WHAT ARE THESE INK SWATCHES FOR?

ANSWER: Those are ink swatches of the actual colors of ink that will be used for printing your bag. As it states on your Art Approval Form, you must review the swatches and approve the color. The art proof is for position only.

QUESTION: WHAT IS THIS "ART PROOF APPROVAL SHEET"?

ANSWER: This is the form that we send with all art proofs that requires your signature, date, requested revisions or whatever the case may be as stated on the bottom section. This form is a part of our ISO 9002 Quality Records and we cannot process your art without your completion of this form. Please review the entire form before signing and please adhere to any warning notes implied by the artist. This section is located near the top. There is also an area near the bottom for any comments that you may wish to add.

QUESTION: WHY DID YOU MODIFY MY ART AND WHO GAVE YOU PERMISSION?

ANSWER: The modification to your art was made to meet our manufacturing specifications and tolerances and to provide you with a proof as soon as humanly possible. It is always the intention of Automated Packaging Systems, Inc. to make sure that when your bags are delivered to you, they will meet all manufacturing and customer quality standards. Should you not wish to accept these modifications, please let us know and our Graphics Customer Service Team will put the art on hold until they can again review the situation with our Manufacturing Dept.

QUESTION: HOW CAN I GET MY PROOFS FASTER THAN THE THREE DAY GUIDELINE?

ANSWER: The Art Dept. continually monitors our schedule of promised proof deliveries. Our customer proof turnaround time is 3 days after we receive the customer approved ART QUOTE and PURCHASE ORDER NUMBER. We will do all that we can to accommodate an expedite which is based on the volume of current art proofs in the queue.

QUESTION: CAN YOU MAKE DO WITH THE ART THAT IS BEING SUBMITTED TO YOU? (BUSINESS CARD- YELLOW PAGES-OR VERY POOR COPY).

ANSWER: We will try to complete the art with what we have but the customer logo may not fully represent the customer's expectation. Also be aware of excess labor and cost to perform these tasks.

QUESTION: WHY DO I NEED A SPEC SHEET FOR SUCH A MINOR REVISION?

ANSWER: Our ISO instructions require us to follow certain procedures which are most accurate and quality minded to make sure revisions are made and old art destroyed. Even minor revisions of an art that has already been approved.

QUESTION: WHY DOES THE UPC CODE HAVE TO BE TURNED 90 DEGREES ON SIDEPOUCH ARTS?
 ANSWER: In the Flexographic Printing process using Photopolymer plates, the UPC codes must be placed on the plate to print with the lines in the direction in which the press is turning. The reason for this is that if the lines in the UPC codes are turned AGAINST the direction of the printing, they will fill-in with ink and certainly render unscannable.

QUESTION: HOW LONG WILL IT BE BEFORE I RECEIVE MY ART PROOFS AFTER ALL PROPER DOCUMENTATION IS RECEIVED?
 ANSWER: Our standard turnaround times for delivering art proofs to customers is 4 Days. However, should we receive a vast amount of arts from the same customer, we will notify the Automated Sales Rep or Distributor that we will prolong the 4 days on a basis that will allow us to process at least 4 of the proofs at a time. This enables us to continually process all customer arts depending where they are in the queue.

QUESTION: HOW MANY STATIONS ARE AVAILABLE ON YOUR PRESSES?
 ANSWER: Please refer to previous question, "Why do you reduce the amount of colors on my art"

QUESTION: WHAT CAN I DO TO AVOID HOLDUPS WITH THE PROOFING PROCESS OF MY ART?
 ANSWER: Try to provide us with complete artwork using the digital applications as specified in this manual. Also, please provide a color print of what is actually on the disk. There have been many times that as the customer's artists build their art and copy it to a disk, fonts can be missing, files lost, etc. By providing a color proof of what is on the disk the customer's artist will notice any discrepancy. We will always send an Art Approval Form with the Art Proof. Please review the proof paying close attention to any notes or warnings from the Automated artist that may hinder the final quality of your printed bags. The fastest way for Automated Packaging Systems' Art Dept. to begin the process of activating your art is to fax the Art Approval Form with the number provided as soon as possible.

QUESTION: WHAT DO YOU MEAN BY "SLUG"
 ANSWER: As we receive an art and it has been reviewed to meet all manufacturing requirements, it is then loaded into our main computer system and given an art number that is directly associated with the customer name. At the same time it is also designated as SLUG 1. The Slug identifies the Art. It may reference a UPC code number, part number, form number, name of the product or whatever the identifier may be. That slug number will always remain as the identifier. The only reason that the slug number will change is if the customer requests a revision to that particular art. In this case, the old slug number will be inactivated and a new slug number will be assigned. In the case of an addition to the identifier of that particular art, an additional slug number will be added. See the following example:

NEW ART RECEIVED HAVING 3 COLORS OF WHITE, RED AND BLUE.

WHITE = UNDERLAY for RED and BLUE.

RED = A PAIL

BLUE = TYPE that describes the capacity of the PAIL -- 3 LBS Part No. 12345 UPC code 7 12458 65847 0

SLUG 1 will always be identified as: 3 LBS Part No. 12345 UPC code 7 12458 65847 0.

Customer decides to discontinue that particular PAIL and replaces it with a 5LB PAIL.

WHITE = Remains UNDERLAY for RED and BLUE.

RED = A PAIL

BLUE = TYPE that describes the capacity of the PAIL -- 5 LBS Part No. 12372 UPC code 6 12748 65848 0

SLUG 1 will now be DESTROYED and the identifier will be SLUG 2.

Customer decides to keep the 3 LB PAIL because business was so good and now wants to ADD a 5 LB PAIL

WHITE = UNDERLAY for RED and BLUE.

RED = A PAIL

BLUE = TYPE that describes the capacity of the PAILS -- 3 LBS Part No. 12345 UPC code 7 12458 65847 0

5 LBS Part No. 12372 UPC code 6 12748 65848 0

SLUG 1 will always be identified as 3 LBS Part No. 12345 UPC code 7 12458 65847 0.

SLUG 2 will always be identified as 5 LBS Part No. 12372 UPC code 6 12748 65848 0.

A VERY IMPORTANT REMINDER TO OUR CUSTOMERS. Please be sure that you will NEVER EVER use a previous slug before informing your Automated Sales Rep to "REVISE AND REPLACE". We have experienced in the past where customers did in fact ask that a slug be REPLACED and actually were sorry at a later date. They had to again REPAY for art charges for something that they already paid for. It is so easy to add a slug as you will be notified as to the entire Item Number for placing the correct order of bags. As soon as the Art Dept. receives the request to "REVISE AND REPLACE", we immediately destroy all negatives and plates to totally insure that our Manufacturing Dept. does not retrieve the wrong plates resulting in the delivery of incorrect bags.

SLUGS MAY CONSIST OF ONE OF THE FOLLOWING CATEGORIES:

- | | |
|---------------------|-----------------------------------|
| 1) ONE PLATE change | 3) ONE PLATE AND ONE COLOR Change |
| 2) ONE COLOR change | 4) TWO PLATE changes |
| | 5) TWO COLOR changes |

THERE IS A PRESS SET-UP CHARGE PER SLUG ADDED TO ALL BAG INVOICES.

If you have any questions regarding the configuration of slugs or any questions on graphics, please call a Graphics Customer Service Representative at 330-528-2646.

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10/99 Rev. 1	Digital Art specs updated	Pgs. 2, 17
9/00 Rev. 2	Digital Art specs updated, new info added for, TRS, "L" marks, and Barcodes. Rev. # on cover sheet only	Pgs. 2, 3, 4, 14, 15, 18
4/01 Rev. 3	Added FAQ's	Pages 19, 20, 21
5/01 Rev. 4	Revised Spec sheet	Pages 14, 15
11/01 Rev. 5	Complete revision	Page 1-20
3/02 Rev. 6	Complete revision	Page 1-20
12/02 Rev. 7	Spec sheet revision	Page 14-15
4/03 Rev. 8	Spec sheet revision	Page 14-15
9/03 Rev. 9	Spec sheet revision, template request form added, changed SP chart page, computer equipment info update	Page 14, 15, 16, 18
10/03 Rev. 10	Added Chart 17 to chart page	Page 16
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12/03 Rev. 12	Removed Spec sheet and charts	Page 15-22
9/05 Rev. 13	Redesign and update information	ALL
12/06 Rev. 14	FAS-Sprint and update information	ALL