

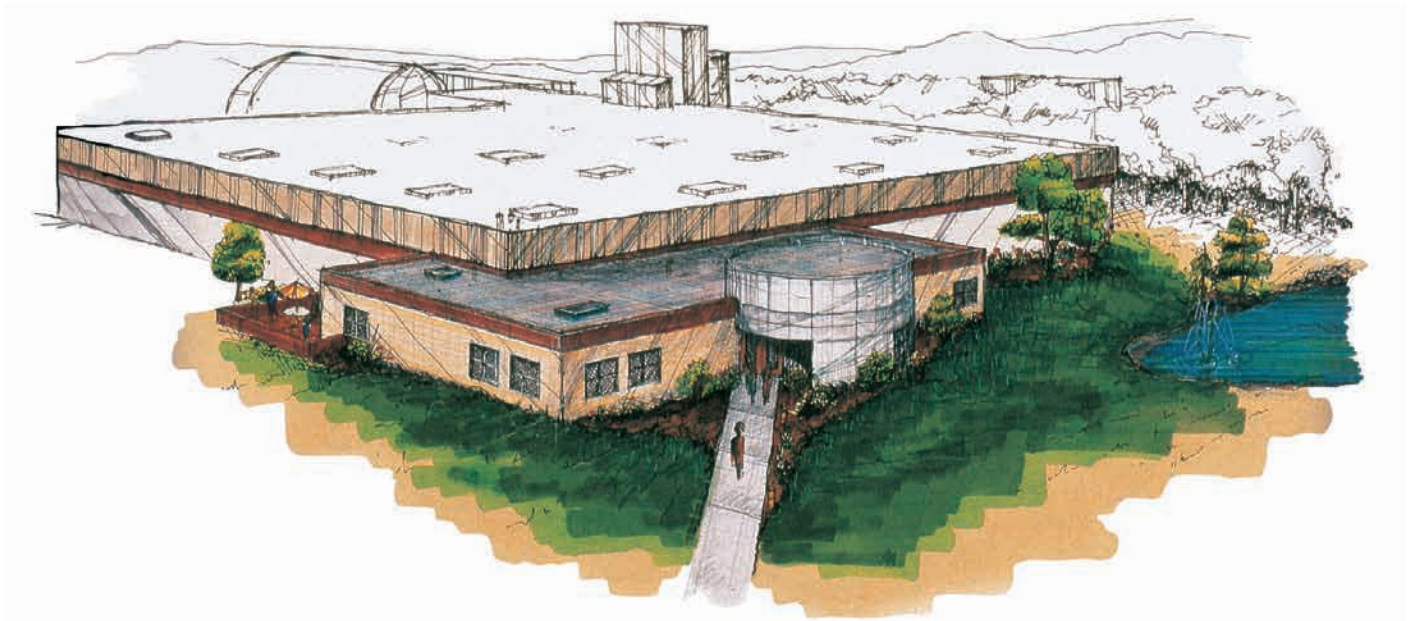


Advanced
Poly-Packaging, Inc.

Design Department and Printing Specifications



Advanced Poly-Packaging, Inc.



Advanced Poly-Packaging, Inc. Provides Packaging Solutions

Whether your packaging needs are large or small, standard or custom, Advanced Poly-Packaging offers an array of packaging equipment, materials and service. Choose from our complete line of standard equipment including baggers, printers, counters, scales and conveyors or select a customized solution. Our Engineering staff accepts challenges head on to exceed your packaging requirements for speed, automation and efficiency.

Advanced Poly-Packaging offers a full line of poly bags and films, with full production capabilities including artwork generation, blown film extrusion, flexographic printing and poly bag converting.

Why Choose Advanced Poly-Packaging?

Because we are Solutions-Driven! Get acquainted with our products and company by visiting our Web site at www.advancedpoly.com or call to speak with an Equipment or Bag Specialist to help determine the best solution for you. We will promptly send film/bag samples, quotes, a product evaluation or other tools you may need. We are proud to introduce you to our products and show you how they will increase your production - and your bottom line!



Member



Cert. No. CA1545

Disclaimer: The information provided in the following pages is for promotional purposes. Specifications in this literature are subject to change without notice. Products listed may not be suitable to package your products. Therefore, we recommend providing samples of your products for our testing and evaluation to determine suitability, proposed equipment and options, production speeds, final package size and configuration and estimated production speeds. Materials including bags, films, ribbon and labels do not carry any performance guarantees. Samples are available for your testing to ensure that they meet your requirements.



ART DEPARTMENT

At APPI, we convert our customer's requests into high quality art, yet retain the reliability and simplicity required for efficient print production. It is critical to prepare artwork utilizing all the allowable tolerances required. Artwork and copy submitted needs to be sharp, clean, and legible because the print will never look better than the art.

Although art is received on disk or email, or in clean and well-constructed form, it may not be usable as submitted because it was not designed for flexographic printing, or did not take into account APPI manufacturing specifications.

Supplied art can be a vector or a raster file. Raster files consist of a grid and pixels. A good example of file formats for raster files are ".jpg, .tif, .gif". These type of files are not able to be scaled, without a lose in quality and are not ideal for printing. We need to be able to manipulate artwork to able able to print it properly. We advise all of our customers to stay away from using rasterized art files for printing purposes. Vector files consist of paths and points that can be scaled and will not lose quality at any size unlike rasterized art files. Vector files will allow us to easily change and edit art as needed to properly place on required bag size. We recommend that all submitted art be vector.



ELECTRONIC PRE-PRESS DESIGN

FILE FORMAT AND TRANSFER

The Design Department at APPI is fully equipped for in-house production and design using the Macintosh platform.

Adobe Illustrator is the preferred file format and art is vector.

Software: Illustrator
Photoshop
InDesign



Adobe InDesign and Photoshop files are also acceptable, however, please be advised that they can be exported for use with Adobe Illustrator. These programs are excellent for typesetting and building multiple page documents, however, they are not ideal for package design. Placed images within these files often have a low-resolution preview, making exact placement of elements a challenge.

Photoshop support files should be 300 dpi at the size at which they are placed into the final file. Please keep in mind that the resolution of a raster file decreases proportionally when enlarged. For instance, if a 2" x 2" image that is 300 dpi is placed into a file at 200%, the resulting dpi is 150, which is not high enough to reproduce well. When supplying Photoshopsupport files, please do not compress the layers in the file.

Any fonts that are not compatible with a Macintosh platform must be converted to outlines. (Please be aware, however, that converting text to outlines limits the ability to make any content or layout adjustments). Before sending fonts, please consult with your font supplier to make sure that the license allows the fonts to be used by both the designer and those outputting your files, and supply fonts only if licensing permits. Please supply one version of the file with the fonts converted to outlines, and one with live text.

Always include either a PDF or a hard copy proof of your final file so that we may verify that the file we have received is correct and that there are no issues with fonts or special effects. If you have a color target that you would like for us to match for a CMYK illustration, please send it to our graphics department. If you do so, please make sure that the proof is clearly labeled as a color target. Please also forward swatches of any special match colors so that we can produce ink drawdowns for your approval.

Design Department Services:

- Adjust customer files to APPI/Flexo specifications
- Issue colored poly-bag layout proofs, showing APPI tolerances and plate costs
- Consultation on design and printing
- Custom templates upon request
- Art, design, and plate quotations
- Coordinate the production of printing plates
- Coordinate the printing of the poly-bag
- Press-side observation of job when printing
- Complete Graphic Design and creation of new artwork
- Scanning, Digital Photography and manipulation

Acceptable Data Storage Devices: CD and USB Flash Drive

Art files can also be transferred via email or FTP (File Transfer Protocol)

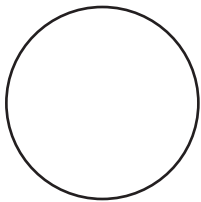
Call with questions: USA: 330-785-4000, UK: 01452 332400



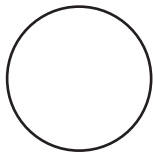
AVAILABLE FEATURES FOR BAGS

HANGER HOLES / VENT HOLES & PERFORATIONS

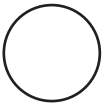
APPI HANGER HOLES



1" Round Hole



3/4" Round Hole



1/2" Round Hole



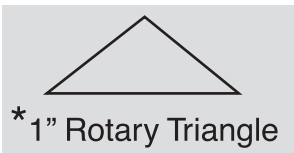
7/16" Round Hole



3/8" Round Hole



1/4" Round Hole

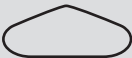


* 1" Rotary Triangle

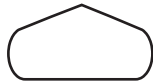
APPI STANDARD OSHA HOLES



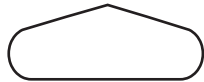
3/8 X 1/2



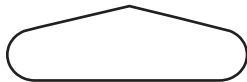
* 9/32 X 21/32



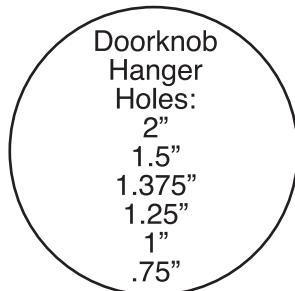
3/8 X 3/4



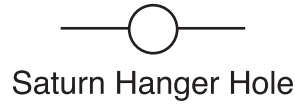
3/8 X 1



3/8 X 1-1/4



Doorknob
Hanger
Holes:
2"
1.5"
1.375"
1.25"
1"
.75"



Saturn Hanger Hole



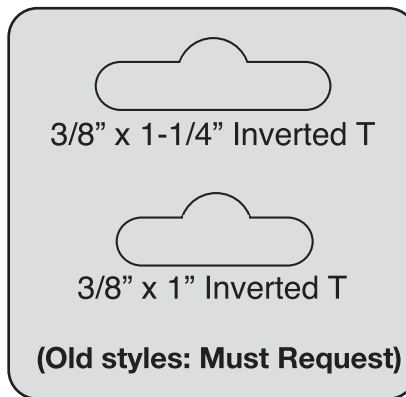
* 3/4" Butterfly



1" Butterfly



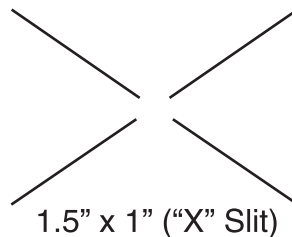
1-1/4" Butterfly



3/8" x 1-1/4" Inverted T

3/8" x 1" Inverted T

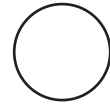
(Old styles: Must Request)



1.5" x 1" ("X" Slit)

* *Speciality punches-must order 6 weeks in advance. Please contact your sales rep.*

APPI VENT HOLES



1/2" Vent Hole



1/4" Vent Hole



1/4" NP Vent Hole



1/8" Vent Hole



Flutter Vent Holes



1/8" NP Vent Hole



Pin Hole

Horizontal Perf.

Vertical Perf.

 **Advanced Poly-Packaging, Inc.**

1331 Emmitt Road • Akron, OH 44306
Phone: 1-800-754-4403 • Fax: 330-785-4010
www.advancedpoly.com • sales@advancedpoly.com



ART/GRAPHICS SIZE

THE FIRST AND MOST IMPORTANT STEP

Available space for print depends on the bag size, and must always follow the manufacturing tolerances required for bag conversion.

A. Poly-bag with standard print, 2-sided, features, and sealing area tolerances.

B. Poly-bag with edge to edge print, 1 sided, no features

Chart 1 - Bag opens on the bottom

Chart 2, 3, 4 - Bag opens on the bottom top

 = Available Print Area

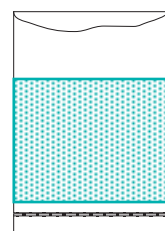
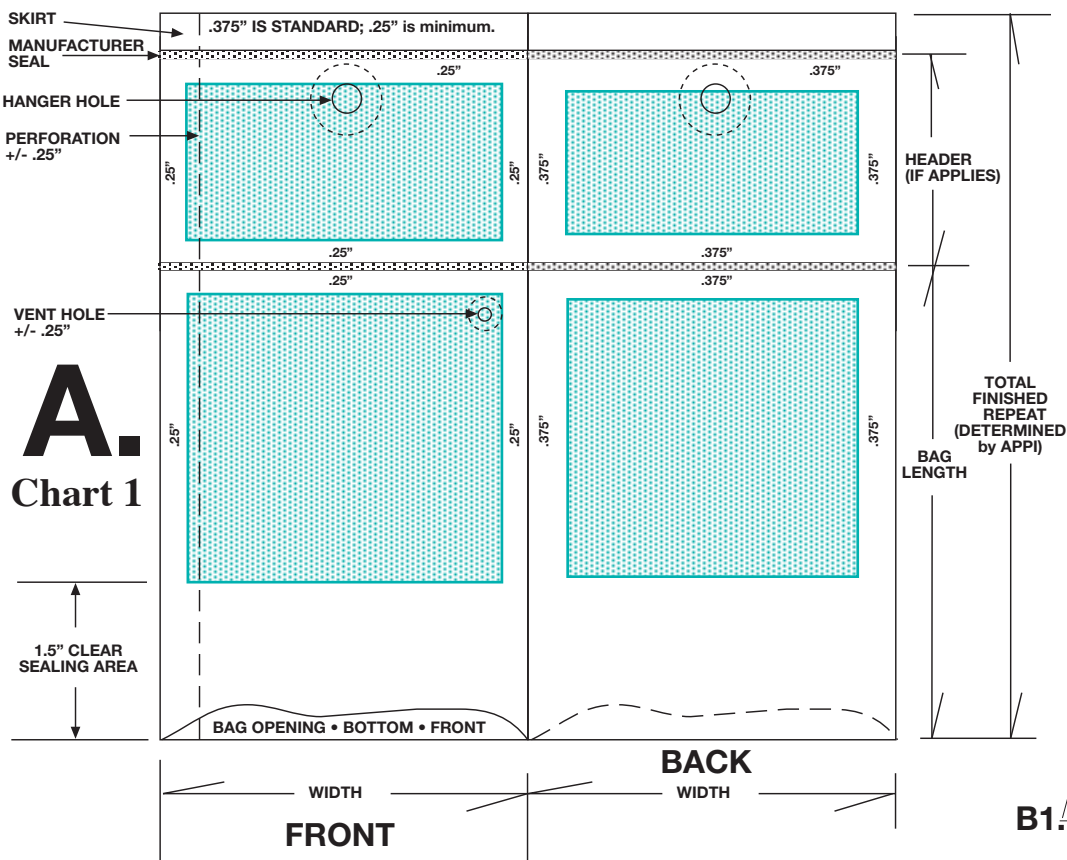


CHART 3

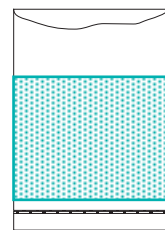
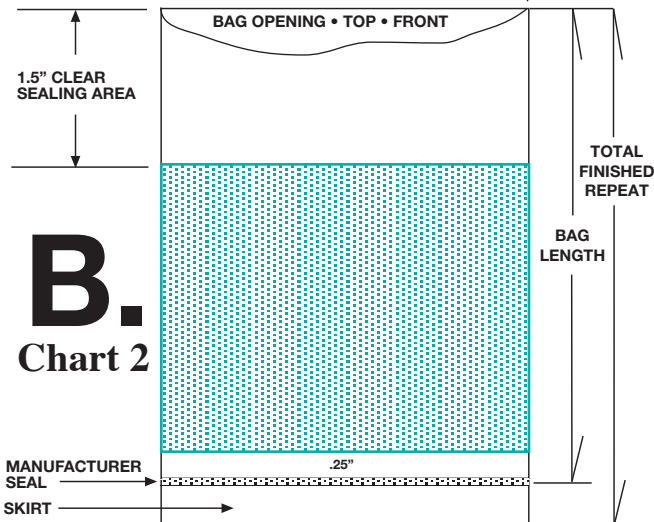


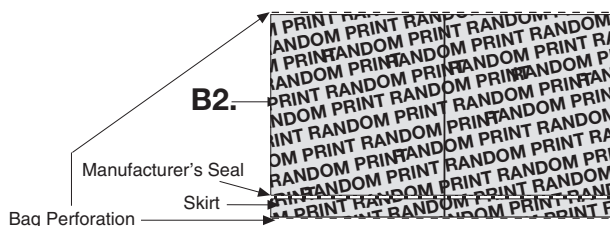
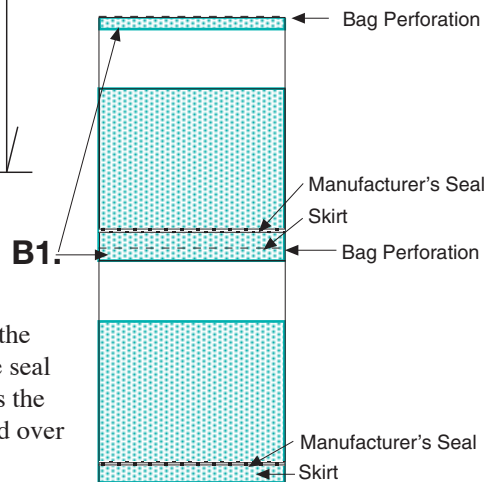
CHART 4

A.
Chart 1



B.
Chart 2

B1. Print may extend to the edge of the skirt, however the seal may discolor where it touches the print, and the print will extend over into the end of the next bag.



B2. When printing edge to edge, only a solid color may be used. No patterns, or art can extend off the edge, unless it is **RANDOM PRINT**.



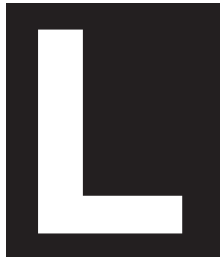
FLEXOGRAPHY

***IS A ROTARY, LETTERPRESS PRINTING PROCESS THAT USES
FAST DRYING INKS AND RUBBER OR POLYMER PLATES***



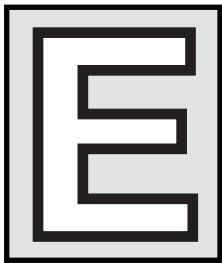
POSITIVE OVERPRINT

USE A VERY DARK COLOR WHEN OVERPRINTING COPY AND OR GRAPHICS ON A LIGHTER COLOR.



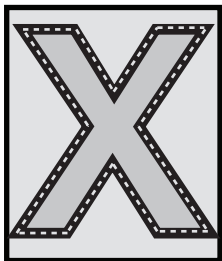
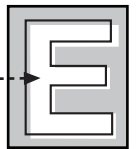
REVERSE OR DROP-OUT

THE COPY OR DESIGN IS ACCOMPLISHED BY DROPPING OUT OF A BACKGROUND COLOR.



OUTLINE (POSITIVE)

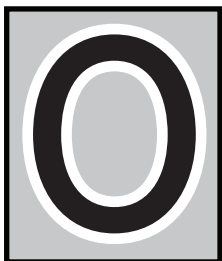
OUTLINES SHOULD BE A MINIMUM OF 1/32" (.0312) THICK, WHEN A 2ND COLOR MUST TRAP UNDER IT. IF OUTLINES ARE ANY THINNER, POTENTIAL REGISTRATION PROBLEMS MAY OCCUR.



TRAPPING COLORS

COLORS MUST OVERLAP EACH OTHER IN FLEXOGRAPHY. THIS "TRAPPING" OF COLORS SHOULD BE A MINIMUM OF 1/32"

DASHED LINE REPRESENTS THE 1/32" TRAP OF THE BACKGROUND COLOR TO THE DARK OUTLINE AROUND THE TYPE, AND THE 1/32" BLEED OF THE ART (X) TO THE OUTLINE.



OUTLINE (CREATED BY DROP-OUT)

AVOID THIS TYPE OF DESIGN-THE SLIGHTEST SHIFT OF ONE COLOR TO ANOTHER WILL RESULT IN UNEVEN WHITE OUTLINES.



THIS IS A 1/64" RULE

THIS IS A 1/32" RULE



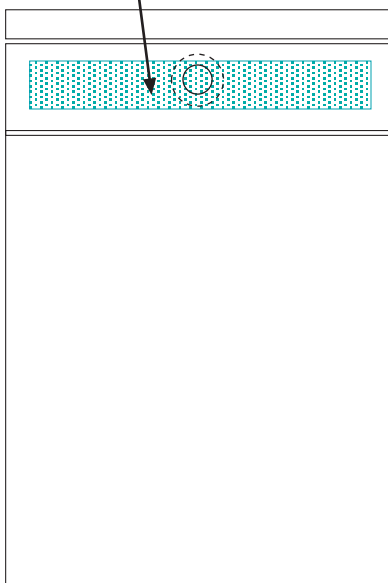
PRINTING

THE SURFACE OF A POLY-BAG

THERE ARE THREE WAYS OF PRINTING ONTO THE SURFACE OF A POLY-BAG:

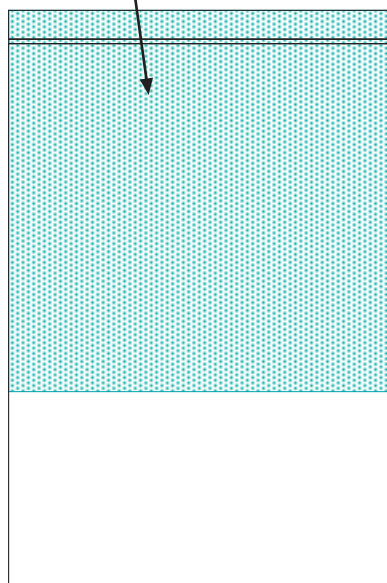
- 1. HEADER:** Some bags may have a header with hanger hole and 2 mfr. seals
- 2. EDGE TO EDGE:** Colors may bleed off the sides of the bag, or off the top.
- 3. BODY:** Most commonly used.

Keep copy and graphics .25" clear of the hole, seal and edges.



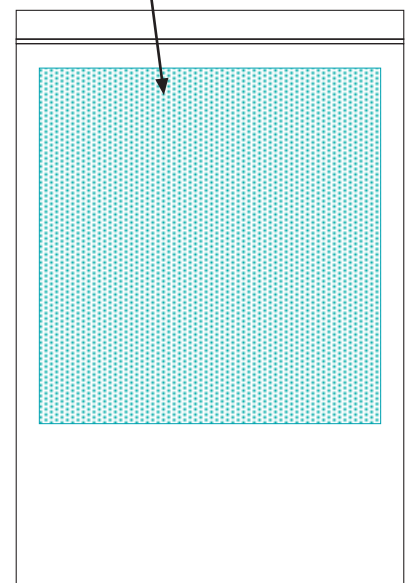
HEADER

Keep copy and graphics .25" clear of the edges. Solid colors or random printing, may run off the edges.



EDGE TO EDGE

Keep copy and graphics .25" clear of the seal and edges.



BODY



= Available Print Area



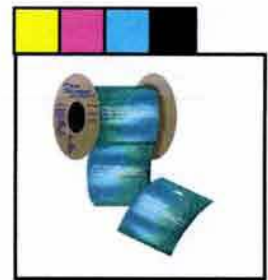
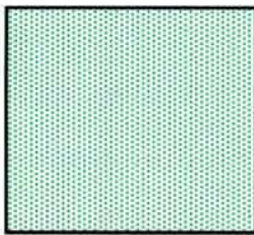
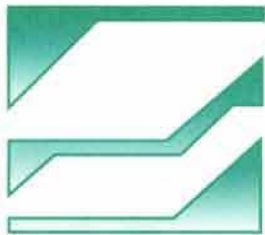
PRINTING

LINE, SCREEN, & PROCESS PRINT

LINE: Basic colors and graphics. (no screens or vignettes).

SCREEN: Basic colors with 1 color screened graphics. We use a 85 line screen. We cut screens back 8% - 10% to avoid dot gain on press. We print the screen plate seperately for this reason, therefore that plate is considered another color - one of 6 possible colors/stations available on the press.

PROCESS: PROC. YELLOW, MAGENTA, CYAN, AND BLACK in screened sequences. Most “realistic” looking, where actual photographs are used like in magazines **NOTE:** The potential risk of mis-registration and color. *Dissatisfaction is the greatest with this process, therefore we discourage it.*



SCREEN

LINE

PROCESS

Advanced Poly-Packaging, Inc.

Advanced Poly-BAGGERS
Advanced Poly-BAGS
Advanced SYSTEMS & SOLUTIONS

PMMA Member
ISO 9001:2000
BETTER BUSINESS BUREAU

"Bagging is our business."

1331 Emmitt Road
Akron, OH 44306
Telephone: 1-800-754-4403
Fax: 330-285-4010
Website: www.advancedpoly.com
Email: sales@advancedpoly.com

POLY-BAGS

Advanced Poly-Packaging
Offers : poly-bag equipment, poly-bags,
engineering services, product review and
product evaluations for a wide variety of
bagging needs.

Poly-bags
We carry a full line of:
Pre-Opened Bags On Rolls • Stock Bags •
Sleeves • Flat, Wickated & POB Bags •
Custom Bags: Printed up to 6 colors / 2 sides •
Special Features (headers, holes, perfor) •
Special Films (colors, barriers FDA medical) •

Bagging Systems
T-1000 Advanced Poly-Bagger™
and Ultra-Feed™ Infeed Conveyor System:
The T-1000 Advanced Poly-Bagger™ is a versatile
bagging machine, designed for long or short
packaging runs. Combined with an Ultra-Count™
Parts Counter or a Check-Weigh™ Scales, and
T-1000 In-Line Thermal Transfer Printer:
text, count, weigh, fill, reprint, package,
seal and trim preprinted, pre-opened
bags on rolls.

Contact us
to view demonstrations
or obtain information of
any of the following
equipment:
T-1000 Advanced Poly-Bagger™
T-1000 Thermal Transfer Printer™
T-1000 Horizontal Poly-Bagger™
T-200/T-275 Advanced Poly
Table-Top Baggers™
Seal-A-Print™
Ultra-Scale 9000™
Ultra-Count 2400™ Counter
Check-Weigh Scale™
Ultra-Feed 5000™
Roll-A-Print™ Print Station

Toll Free:
1-800-754-4403
Advanced Poly-Packaging Inc.



All letter forms are classified into families or styles. Special tolerances are given for sizes and styles of type.

Roman

PLAIN
SERIF
TYPE

R

Gothic

BOLD
SAN SERIF
TYPE

R

Italic

BOLD, ITALIC
SERIF
TYPE

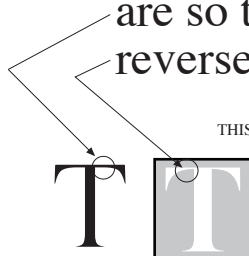
I

TYPE SIZES: The standard accepted minimum type size in flexo printing is 6 point positive and 8 point reverse.

THIS IS 6 POINT HELVETICA MEDIUM.

THIS IS 8 POINT HELVETICA BOLD.

TYPEFACES: Choosing the correct style of copy is very important to the success of the printing. Special attention should be given to smaller, serif copy. This is because the serifs are so thin, they are difficult to hold on press, and when reversed, they can fill in:



THIS IS 6 POINT TIMES REGULAR.

THIS IS 8 POINT TIMES BOLD.

NOTE how thin the serifs become and therefore letters will often fill-in when printed.

STANDARD “E” CHART for point size of type.

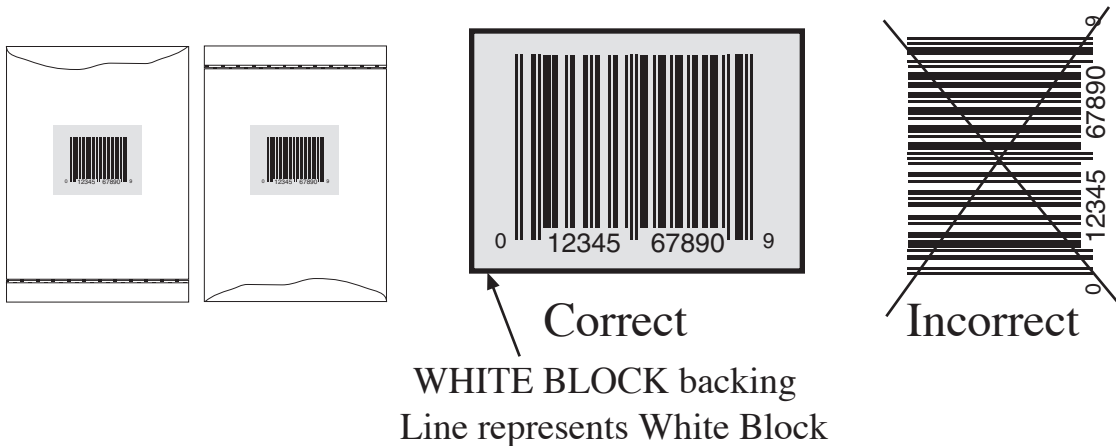




BAR CODES

The industry standard for orientation of the barcode, to assure proper reproduction and scanability, is with the lines in the same direction that the web moves through the printing press. Exceptions sometimes can be made, depending on the size and type of code. (Consult your APPI sales representative).

Bar code orientation at APPI:



Recommended MINIMUM SIZE for BAR CODES is 100%. Codes may be truncated at the top, but is discouraged because it can detract from the scanning ability of the code.

It is highly recommended to always have a WHITE BLOCK backing up the code, to insure scanability. In some cases, where the product is being loaded into the bag, such as a white card, this may not be necessary.

Standard (100 MAG)
UPC (1.02" high)



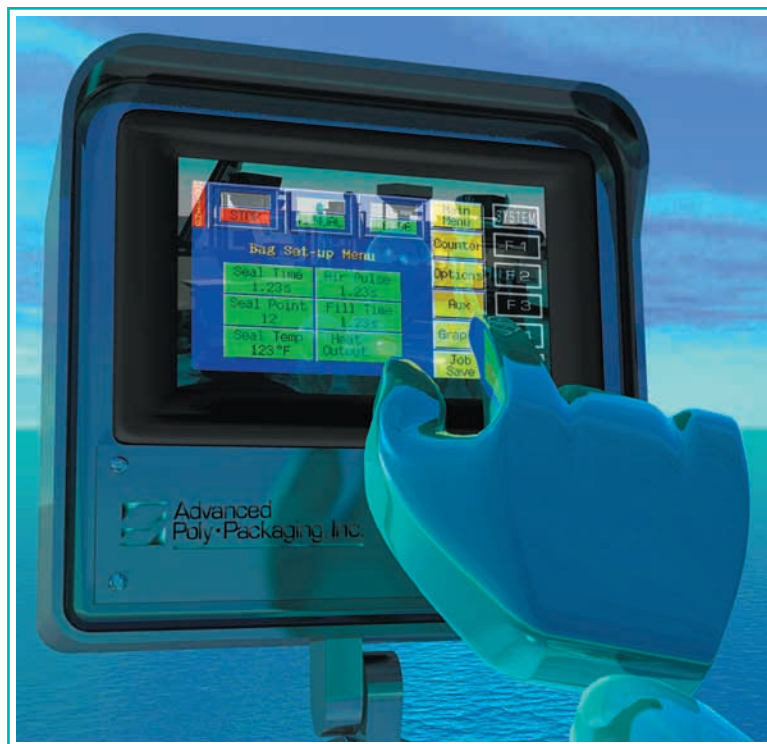
Truncated 20%



Truncated 50% *



*Further truncation
is NOT recommended.



**Advanced
Poly-Packaging, Inc.**

1-800-754-4403

U.S.A.

1331 Emmitt Rd. • Akron, OH. 44306

330-785-4000 • Fax 330-785-4010

www.advancedpoly.com • sales@advancedpoly.com

U.K.

APP (UK) Ltd.

Over Causeway, Over, Gloucester GL2 8DB

44 1452 332400 • Fax 44 1452 332500

www.advancedpoly.com • salesuk@advancedpoly.com

