



# Printing Options for GHS Labeling – Which Method is Best for You?



## Thermal Transfer 1 Color Printing on Preprinted Stock

- ◆ Use label stock with pictogram diamonds already printed
- ◆ Variable print with black ribbon



- ◆ May be able to use existing printers
- ◆ Monochrome printing usually less expensive than color printing
- ◆ Wide range of materials available



- ◆ Increased stock inventory
- ◆ Less flexibility
- ◆ Stock obsolescence
- ◆ Less adaptability to future changes
- ◆ May have to “black out” empty diamonds

- ◆ Limited number of chemicals and label formats



## Monochrome Laser Printing on Preprinted Stock

- ◆ Use label stock with pictogram diamonds already printed
- ◆ Variable print with toner



- ◆ May be able to use existing printers
- ◆ Monochrome printing usually less expensive than color printing



- ◆ Increased stock inventory
- ◆ Less flexibility
- ◆ Stock obsolescence
- ◆ Less adaptability to future changes
- ◆ May have to “black out” empty diamonds

- ◆ Limited number of chemicals and label formats



## Two-Color Thermal Transfer Printing

- ◆ Thermal Transfer printers with both red and black print heads
- ◆ Can print in-line on blank stock



- ◆ Common print method
- ◆ Extremely durable output
- ◆ Reduced label stock inventory
- ◆ Wide range of materials available



- ◆ Preprinted stock may still be required
- ◆ Higher up-front capital cost (compared to laser or inkjet)
- ◆ Less flexibility than full-color printing

- ◆ Limited number of label stock sizes and no preprints



## Full Color Laser Printing on Blank Label Stock

- ◆ Full color (CMYK) laser printers provide the ultimate flexibility
- ◆ Print all logos, graphics, pictograms, etc.



- ◆ Make on-the-fly changes
- ◆ Minimize inventory costs by using blank stock
- ◆ Eliminate stock obsolescence
- ◆ Depending on printer model, output can be sheets, rolls or fanfold



- ◆ Cost per image can vary greatly depending on model and toner coverage

- ◆ Best solution when dealing with a large variety of label templates and sizes



## Full Color Inkjet Printing on Blank Label Stock

- ◆ Full color (CMYK) inkjet printers provide the ultimate flexibility
- ◆ Print all logos, graphics, pictograms, etc.



- ◆ Make on-the-fly changes
- ◆ Minimize inventory costs by using blank stock
- ◆ Pigmented inks offer extremely durable image
- ◆ Wide range of materials available



- ◆ Cost per image can vary greatly depending on model and ink coverage

- ◆ Best solution when dealing with a large variety of label templates and sizes
- ◆ Great for sample/retain labels



## Outsourced Label Stock

- ◆ Purchase fully finished labels



- ◆ No capital investment in printers
- ◆ No internal labor for on-site printing
- ◆ Zero printing waste



- ◆ Important to keep stock on hand
- ◆ High cost per label

- ◆ Good for low usage and few print revisions
- ◆ Ideal when environmental factors (dust, humidity, temperatures) make on-site printing difficult

## WHEN TO USE