



# Gans Ink & Supply

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## SUBLIMATION

### SUBLIMATION INKS

SUBLIMATION INKS ARE DESIGNED TO APPLY A MIRROR IMAGE ONTO PAPER FOR TRANSFER TO THE FINAL SUBSTRATE. THE PRINTS ARE TRANSFERRED VIA HEAT AND PRESSURE ONTO POLYESTER OR OTHER SYNTHETIC MATERIALS. SUITABLE FABRICS ALSO INCLUDE THOSE MADE WITH NATURAL FIBERS THAT CONTAIN AT LEAST 65% SYNTHETIC MATERIALS. GANS SUBLIMATION INKS PRODUCE TRANSFERS THAT OFFER GOOD RESISTANCE TO THE EFFECTS OF LIGHT, PERSPIRATION, AND LAUNDERING. WHEN FIRST PRINTED ONTO PAPER, SUBLIMATION INKS APPEAR TO BE WEAKER AND DULLER THAN STANDARD INKS, HOWEVER WHEN TRANSFERRED ONTO SUITABLE SUBSTRATES, THE DYES DEVELOP THEIR TRUE COLOR STRENGTH AND BRILLIANCE. GANS SUBLIMATION INKS MAY ALSO BE TRANSFERRED TO METAL, WOOD OR CERAMIC AND MANY OTHER MATERIALS WHERE A SUBLIMATION SUITABLE COATING HAS BEEN APPLIED.

#### PYROSCRIPT 1

##### GANS LITHO SUBLIMATION INKS

ARE DESIGNED TO BE PRINTED ON OFFSET LITHOGRAPHIC PRESSES. PYROSCRIPT INKS ARE USED WHEN FINE ART, HEAVY SOLIDS AND PHOTO REPRODUCTION ARE REQUIRED.

#### PYROSCREEN 2

##### GANS SCREEN SUBLIMATION INKS

ARE APPLIED USING FLAT-BED SCREEN PRINTING EQUIPMENT. PYROSCREEN IS AVAILABLE IN BOTH SOLVENT AND WATER-BASED FORMULATIONS.

#### PYROFLEXO 3

##### GANS FLEXO SUBLIMATION INKS

PROVIDE THE SPEED AND ECONOMY ONLY ACHIEVABLE THROUGH NARROW-WEB PRINTING. GANS PYROFLEXO SUBLIMATION INKS ARE TYPICALLY USED TO DECORATE SHOE STRINGS, RIBBONS, ELASTIC, AND OTHER NARROW DECORATED FABRICS.

#### PYROGRAVURE 4

##### GANS GRAVURE SUBLIMATION INKS

ARE WATER-BASED AND ARE USED WHEN HIGH-VOLUME, WIDE-FORMAT, ROLL-TO-ROLL PRINTING AND TRANSFERRING ARE NEEDED.

#### 4/ COLOR PROCESS SETS

GANS INK MANUFACTURES CUSTOM, 4/COLOR PROCESS SUBLIMATION INK SETS FOR LITHO, SCREEN AND FLEXO. THE CYAN, MAGENTA, YELLOW AND BLACK HUES OF THESE SETS ARE OPTIMIZED FOR BALANCED PHOTOGRAPHIC REPRODUCTION AND BRIGHT VIVID COLOR. THEY WILL ALSO PRODUCE THE MAXIMUM OPTICAL RANGE FOR PANTONE®\*\* EQUIVALENTS, 5 WHILE PROVIDING GOOD RESISTANCE TO FADING FROM EXPOSURE TO UV LIGHT.

#### VIBRAFLEX BLENDING SYSTEMS

GANS INK OFFERS SUBLIMATION BLENDING BASES IN FOUR DIFFERENT SYSTEMS: LITHO, SCREEN, FLEXO AND WATER-BASED GRAVURE. THIS EXPANDED SERIES OF 16 COLORANTS AND TWO FLUORESCENTS FURTHER INCREASES COLOR-MATCHING OPTIONS. VIBRAFLEX BLENDING BASE EXTENDERS UTILIZE STATE-OF-THE-INDUSTRY VEHICLE (DYE SUSPENSION) SYSTEMS THAT PROVIDE HOMOGENEOUS BLENDING OF SOLVENT OR WATER-BASED SUBLIMATION BASES FOR LITHO, SCREEN, FLEXO AND GRAVURE PRINTING.

#### NEW DEVELOPMENTS

NEW PRODUCTS FROM THE GANS SUBLIMATION DIVISION INCLUDE WATERLESS SUBLIMATION INKS FOR DIRECT-IMAGING LITHOGRAPHIC PRESSES AND INVISIBLE FLUORESCENT SUBLIMATION INKS FOR PRODUCT AUTHENTICATION.

#### Notes

1. Pyroscript is Gans' brand name for lithographic sublimation inks.
2. Pyroscreen is Gans' brand name for silk-screen sublimation inks.
3. Pyroflexo is Gans' brand name for flexographic sublimation inks.
4. Pyrogravure is Gans' brand name for rotogravure sublimation inks.
5. Those colors achieved by combining screen tints in four-color process.

\*\*PANTONE®  
IS OWNED BY PANTONE, INC.