

# renaissance™

EXPANDED GAMUT PROCESS COLOR INKS

**EXPANDED COLOR GAMUT.** Renaissance™ inks utilize adjusted primary color positions to maximize the range of color reproduction. The primary colors are yellow, red, magenta, blue, cyan, green and black. These inks can be run as conventional four-color process with CMYK, or enhanced with the addition of red, green, and blue. Images can be printed with four, five, six, or seven colors as needed. The primary advantage of the Renaissance seven-color model is the increased color fidelity, which approaches the range of a RGB scan.

**SUPERIOR BALANCE ON PRESS.** Renaissance Expanded Gamut inks feature six primary color positions for maximum color saturation and balance. Individual color positions and their adjacent values can be adjusted without affecting the neutral balance or compromising other colors in the design. Renaissance gray balance can be obtained conventionally as well as with the following combinations:

Magenta-Green / Cyan-Red / Yellow-Blue  
C-M-Y / R-G-B / C-M-Y-R-G-B

**COMPETITIVE ADVANTAGE.** Renaissance provides you with several very important competitive advantages. Art reproduced with Renaissance has sharpness, clarity, and color unlike anything you have experienced before. It sets up easily and quickly and is predictable on press. Ink consumption and dot gain are significantly reduced through special integrations between the inks and film separations. Less color drift means faster production times and less variation in the run. It all comes down to less spoilage and more garments printed at the end of the day!

**CONSISTENCY ON PRESS.** Wider color balance tolerance and reduced color trapping error greatly improve press consistency. Lower dot gain helps to overcome mechanical variations on older presses. Newer presses deliver near photographic quality. All images come up to color quickly, and stay within range for the duration of the run. There is much less “wandering” of color so typical of conventional plastisol process color reproduction.

**DOT GAIN.** Utilizing an integration of modified film separation, specific printing parameters, and exacting ink rheology, Renaissance inks produce flexible yet controllable dot gain. The color separation process has been modified to give more latitude on press and textile images may print with 10-15% less gain than with the best traditional process color designs. Lower dot gain means you can reproduce a broader tone range than with conventional inks and separations. This results in deep, vibrant images, with full penetration into the garment, increased color saturation, and eliminating the “washed out look” so common with conventional plastisol printing.

**WASHABILITY.** Process color reproduction has never washed this well! Thanks to a newly formulated base and enhanced separation techniques, images printed with Renaissance look brighter and last longer. Deep ink penetration helps to anchor the image and provide a stronger platform for the ink to adhere to the garment. All this with an extremely soft hand, reminiscent of waterbase. Renaissance inks have been engineered from the ground up to be “upgradeable” and can be easily modified to accommodate new developments in compounds, substrates or printing techniques.

**CERTIFIED QUALITY.** CGT Renaissance inks are manufactured to our exact specifications. Each lot is produced and measured precisely for rheology, printing viscosity, color strength, and spectral position. There are no other inks produced with tolerances as tight as we demand. Renaissance inks were developed over two years with extensive R&D and real-world testing to produce the finest set of process color inks anywhere! This is your assurance of consistent, predictable, and most importantly, repeatable color reproduction.

**REDUCED MIXING OF COLORS.** Colors come press-ready from the buckets. There is no need to mix color or add base – Renaissance is manufactured to be used directly from the can. Tight quality control procedures guarantee color consistency from lot to lot and there should be no need to adjust colors between runs. Matching color on reruns is much easier and faster than ever before. Basing back process colors is the response to dark, muddy prints that result from too much dot gain. Using Renaissance at full strength maintains image contrast and puts the “snap” back into your work.



COUDRAY GRAPHIC TECHNOLOGIES

THE SCIENCE OF COLOR REPRODUCTION

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