

# STOCHASTIC SCREENING

## MORE CONTROL. MORE CONSISTENCY. MORE CLARITY. MORE COLOR.

For extraordinarily fine image detail you cannot beat stochastic screening.

**With stochastic technology you get more control on the press, greater color control, more clarity of screen-built type and smoother gradations of color. Why is that?**

This cutting edge printing process is a sophisticated method of representing a continuous tone image by converting shading and colors into a random pattern. Conventional screening utilizes round dots and screen angles. Stochastic printing utilizes random dot placement and various dot sizes, thus allowing a closer look and feel of the digital or analog photograph. The result is smoother flesh tones, finer details, elimination of moirés, and a 15% wider color gamut. You have to see it to believe it.

### IT'S ALL IN THE DOTS.

While the dots used in conventional halftone printing are equally spaced in a rigid pattern, the dots used in the stochastic process are not. The stochastic process varies the dots by density and frequency according to the tone value reproduced. Lighter parts have fewer dots, the darker areas have more.

### THESE TINY, RANDOM DOTS OFFER SOME DISTINCT ADVANTAGES:

- Elimination of line rulings and screen angles
- No more moiré patterns
- No more rosettes

### WHAT DOES THAT MEAN FOR YOU?

- Greater image fidelity
- Improved print integrity and consistency
- Better overall quality of printing
- Print fine lines and diagonal hairlines – no jagged edges
- Consistent tones and colors
- Smooth, even tints
- No subject or screen angle moirés
- Optimized paper quality
- Greater dimensional effects
- Richer colour
- Greater detail
- Near photographic quality
- Wider reproducible color gamut
- Sharper images and finer details



### WHAT IS THE NEXT STEP I CAN TAKE TO PREPARE MY PROJECT TO PRINT STOCHASTICALLY?

Stochastic technology may not be for everyone, as some images and graphics may not lend themselves well to this technology depending on your paper choice and colour requirements. But, by simply discussing your project and colour objectives with your Transcontinental Representative together we can determine if switching to a Stochastic process is the right move.

Utilizing Stochastic technology is simple, it is just a phone call away, there is nothing else in your workflow that needs to change. The support of the Transcontinental PrePress and Colour Experts combined with the latest pre-press technology can easily bring the benefits of Stochastic to your next print project.