J.M. FRY INKS

A FAMILY COMPANY

ANILOX VOLUME AND CELL COUNT WORK TOGETHER

HIGHER CELL COUNT USUALLY MEANS LOWER VOLUME. JOB NEEDS DETERMINE THE RIGHT CHOICE.

Line screen (cell count) affects how many cells are engraved per inch of the anilox. Volume (BCM) determines how much ink each cell can carry and transfer to the plate. Cell count alone does not tell the whole story—cell geometry and BCM volume also matter. Match both to your job for the best results.

1 LOWER CELL COUNT / HIGHER VOLUME

250L
EXAMPLE

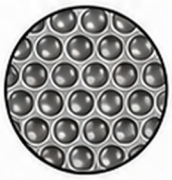
Larger cells.
Heavier ink laydown.

BEST FOR JOBS WITH:

- Strong solids
- Flood coats
- Whites
- Heavy coverage
- Coarse graphics
- Kraft / corrugated work
- Bold spot colors

2 MID CELL COUNT / BALANCED VOLUME

360L
EXAMPLE



Medium cells.
Balanced ink transfer.

BEST FOR JOBS WITH:

- General-purpose flexo printing
- Balanced solids and line work
- Many everyday corrugated jobs
- Standard spot color work

3 HIGHER CELL COUNT / LOWER VOLUME

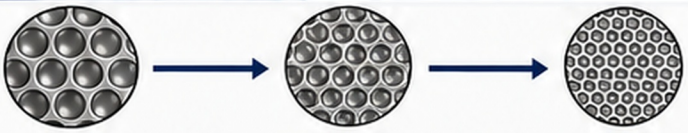
750L
EXAMPLE

Smaller cells.
Lighter, more controlled ink laydown.

BEST FOR JOBS WITH:

- Fine detail
- Process printing
- Screens
- Barcodes
- Vignettes
- Small type
- Cleaner highlight areas

HOW CELL COUNT RELATES TO VOLUME



FEWER LARGER CELLS → MORE MEDIUM CELLS → MANY SMALLER CELLS

Cell count goes up → Cell size goes down → Volume often goes down → But exact volume depends on engraving geometry and BCM

WHAT YOU'LL SEE ON PRESS

- More volume = heavier color, stronger solids, more coverage, less fine detail.
- Less volume = cleaner detail, finer print, lighter laydown, less solid strength.
- Matching the anilox to the job improves consistency, color control, and print quality.

QUICK JOB GUIDE

250L
Solids, whites, coatings, heavy coverage corrugated.

360L
Balanced everyday work, mixed graphics, common corrugated printing.

750L
Process work, fine line art, barcodes, small text, screens.

IMPORTANT

Do not judge line screen alone. Volume, BCM, cell geometry, ink, plate, substrate, and press conditions all work together.

BETTER ANILOX SELECTION | BETTER COLOR CONTROL | BETTER CONSISTENCY | BETTER PRINT QUALITY

MATCH THE ANILOX TO THE JOB. GET BETTER RESULTS.