



EagleFAM

FM/AM Hybrid Screening with native PDF interpreter

- AM screening in midtones
- FM screening in highlights and shadows
- Reproduces dot ranging from 1% to 99%
- Smooth transition from AM to FM

EagleFAM

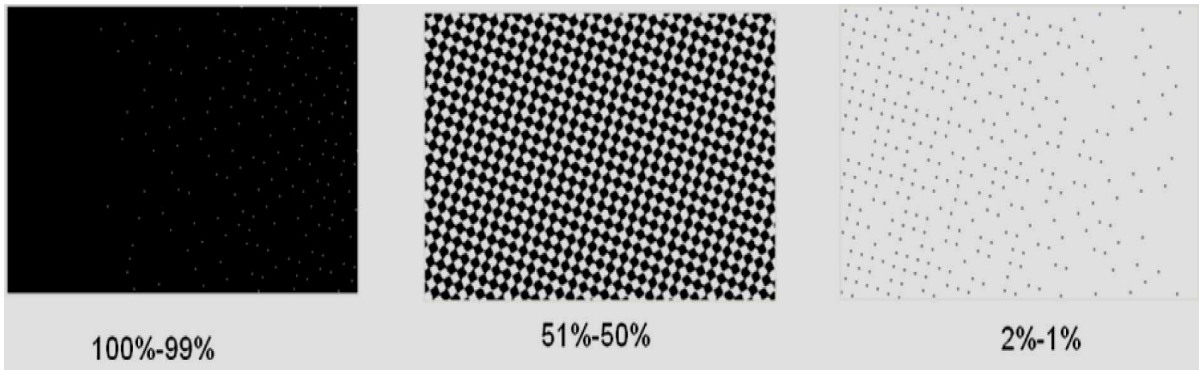
FM/AM hybrid screening technology

Version 2.0

Founder's AM and FM hybrid screening technology developed specifically for CTP production and represents a breakthrough in quality.

EagleFAM is FM/AM hybrid screening. It overcomes the weaknesses and combines the advantages of both traditional AM and FM screening.

- EagleFAM uses AM screening in midtones and adopts FM screening in highlights and shadows.



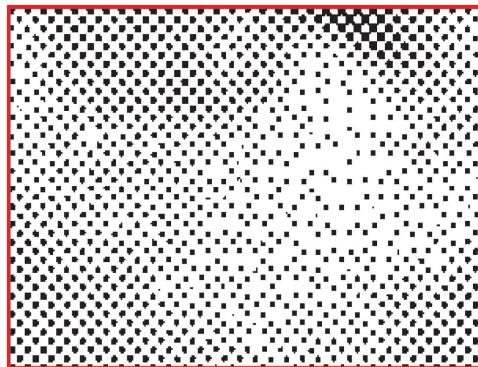
- You can achieve high quality above 340lpi with low resolution without any extra work on press.

LPI	1% (um)	2% (um)
250	10.2	14.4
200	12.7	18
175	14.5	20.5
150	16.9	23.9

LPI	9% (um)
250	30.2
300	27.5
350	21.9

Relationship between AM frequency and dot size

- With EagleFAM, you can reproduce dots ranged from 1% to 99% and present highlights and shadows with more enhanced details.
- Smooth transition from AM to FM: EagleFAM uses FM screening in difficult highlights and shadows, but FM screening has the same AM angles in the midtones, and this prevents FM dots from being noisy in some area and makes the dots look smooth and clean.



- In midtones, EagleFAM adopts new gray level range controlling arithmetic to improve the continuity of levels with high frequency and meliorate the shading effect. EagleFAM uses new 7.5 dot angle to improve the CTP quality under high frequency.