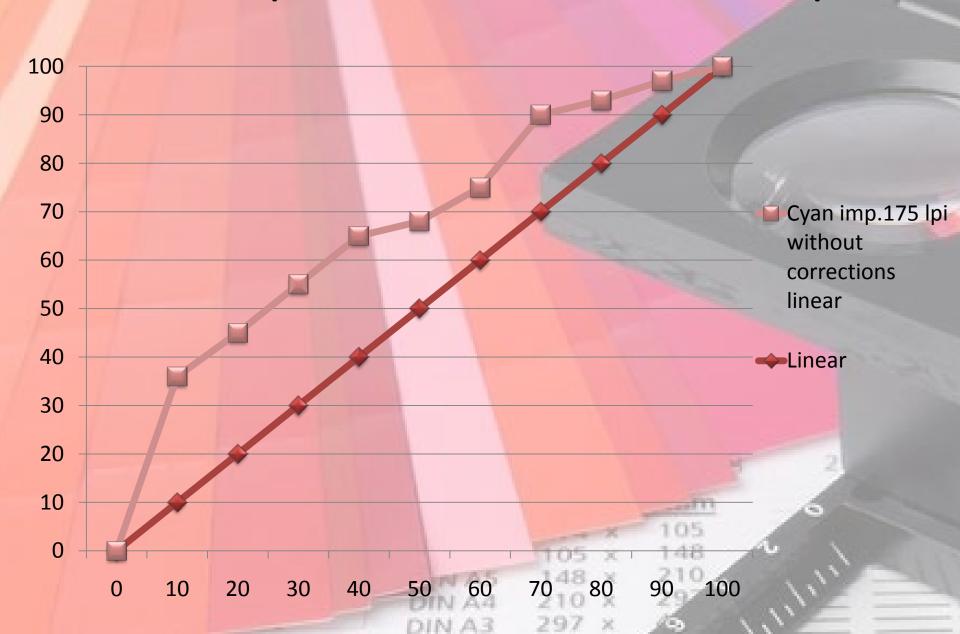
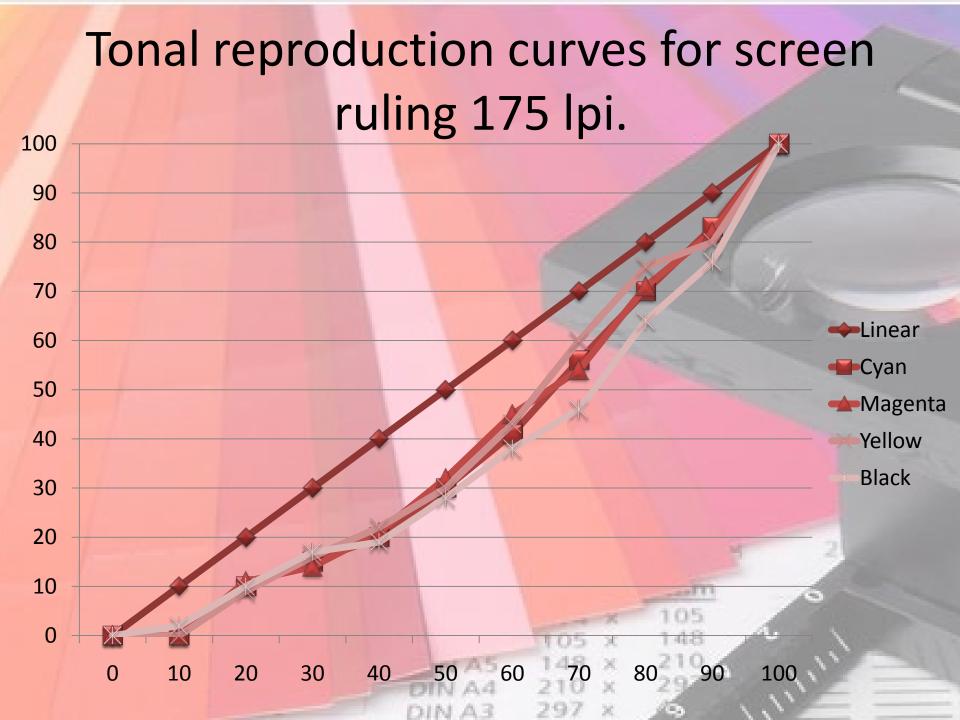


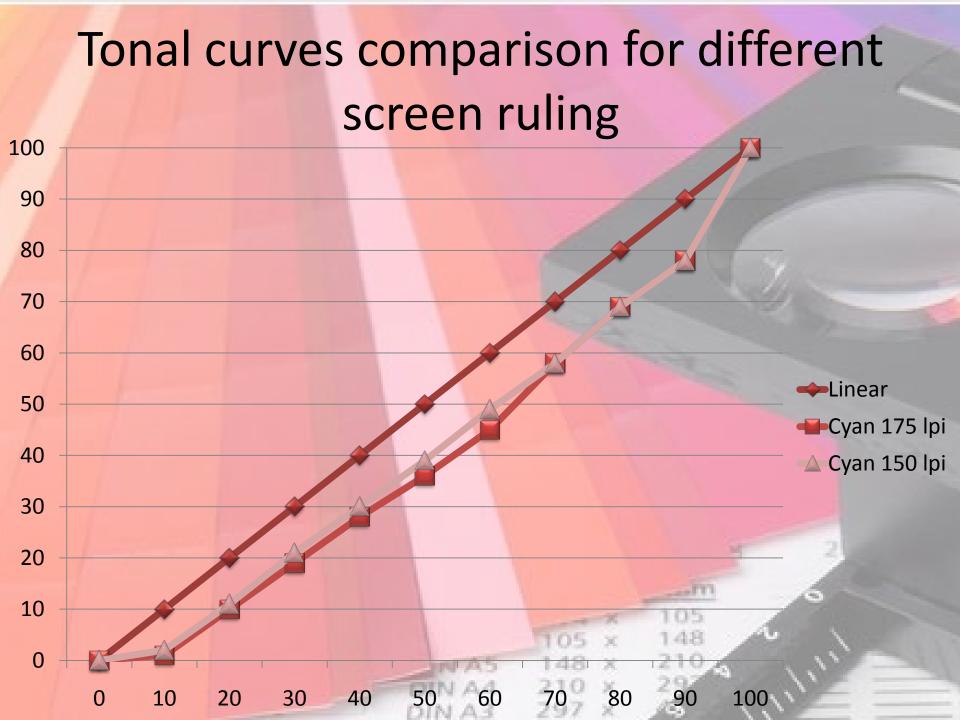
Printing plates used in the test trial

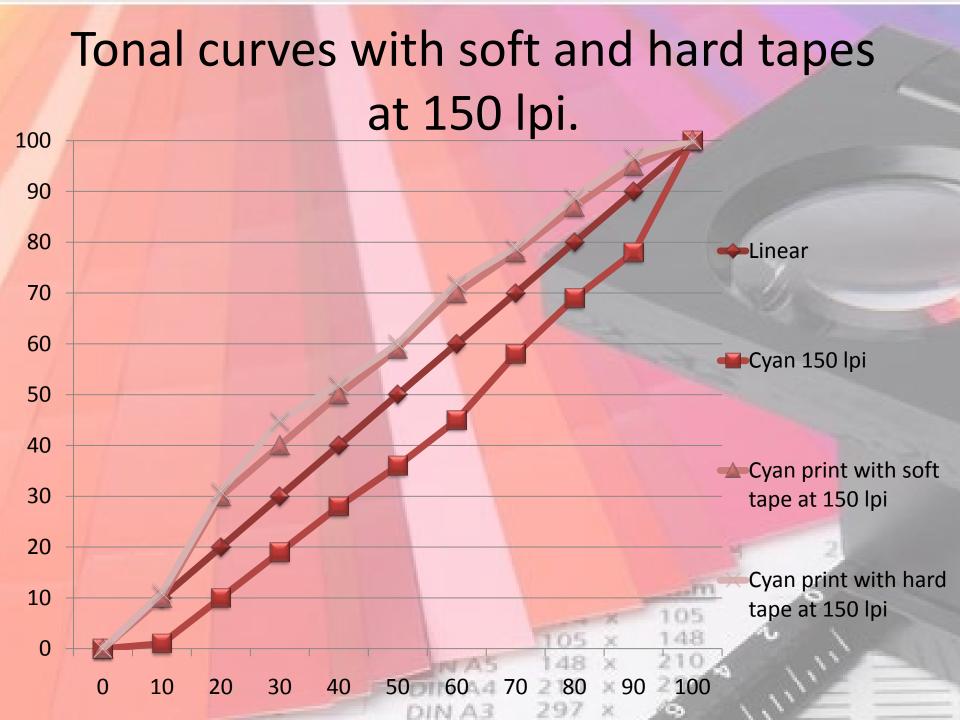
No.	Plate type	Range of use	Plate characteristics	Plate thickness [mm]	Hardness acc. To Shore, A	Screen ruling, lpi
1	Cyrel DPU 45	Lables. Flexible packing materials. Folding carton. Pre- print	Universal digital plate, practically used with all kind of inks. Suitable for all substrates, incorporates high resolution. Ozone resistant	1.7	68	175
						150
2	Cyrel DPU 67			1.14	75	175

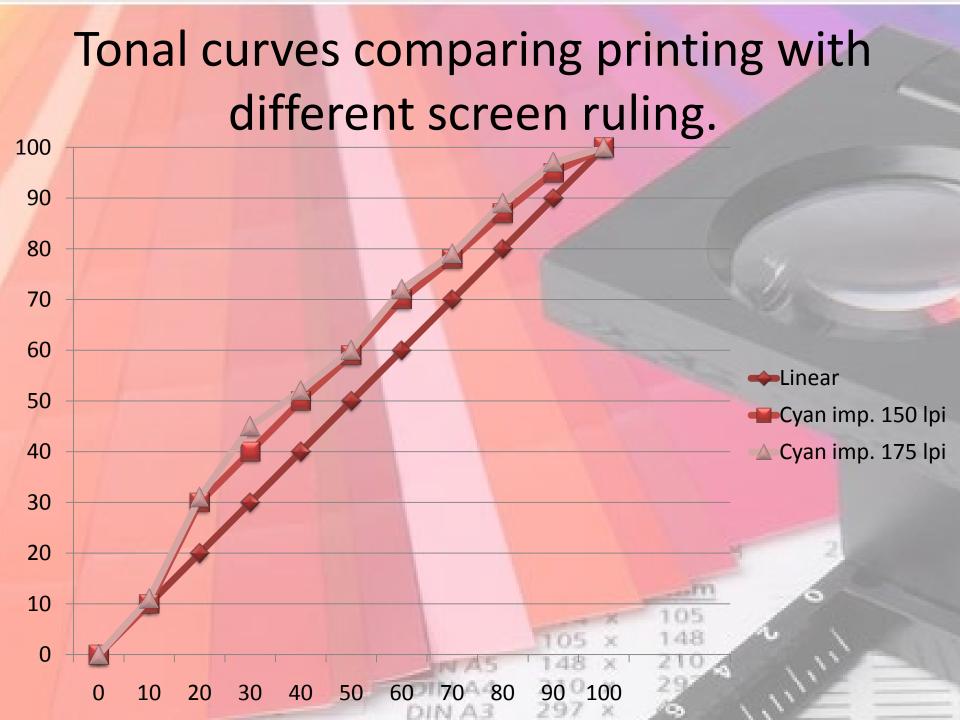
Tonal reproduction curve at 175 lpi.











Optical densities of 100% fields

Producer	Values for the optical densities of 100% fields, received with the use of the following anylox rollers						
	D cyan/anlox	D magenta/anylox	D yellow/anylox	D black/anylox			
User				On 40			
1.Sericol	1.35-1.40	1.30-1.35	1.35-1.40	>1.5			
	470/2.1	470/3.5	470/3.7	470/3.5			
2.Rotoprint	1.10	0.93 × 105 148 210 × 210	1.13	1.64			
	470/4.0	3 29/ × 310 × 320/5.5	470/3.7	280/6.0			

Conclusions:

- Printing with screen ruling of 175 lpi causes difficulties in the reproduction quality in the highlights.
- The so called bump-up of the graduation curve is done in highlights which guarantee a stable reproduction of the fine screen elements.
- After the corrections, the quality of the received print samples is significantly ameliorated.