

Grey Balance at Press

I like to start from a known value - Linear Plates - but you don't need to, you can start from your current plate curve. Place the tone scale in the center of the sheet (Enlarge if you like) - include some difficult images to evaluate later.

1- produce "linear" plates with tone scale target included. (Densitometer Status 'T')

2- print to these target densities (WET readings - for COATED) Y-1.03 M1.43 C1.33 K 1.75

Same process for UNCOATED but use these densities Y-.95 M- 1.15 C- 1.05 K-1.40

NOTE: These density readings can be on different sheets - don't need to on the same sheet!

3- measure tone scales (dot area) record values.

4- place measured values into RIP for "MEASURED" values / use my numbers for "WANTED values".

5- remake plates (print to same densities) they should show adjustments to tonal area. The "WANTED" values should read correctly on the press sheet.

* The first set of plates- the sheets can be single sheets (all targets not necessary on same sheet).

Curved plates show 'color' - all density numbers need to be correct on same sheet.



* Measure density here - over Tone Scale.

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Cyan 1.30		Dry Density	
Dot %	WANTED	MEASURED PRESS SHEET	Difference
1	4		
2	7		
3	8		
4	10		
5	12		
6	14		
8	16		
10	19		
15	26		
20	32		
25	39		
30	46		
35	52		
40	59		
45	64		
50	70		
55	74		
60	78		
65	82		
70	85		
75	87		
80	90		
85	94		
90	96		
95	99		
97	99.5		
98	99.6		
99	99.7		

Black 1.70		Dry Density	
Dot %	WANTED	MEASURED PRESS SHEET	Difference
1	5		
2	7		
3	9		
4	11		
5	13		
6	15		
8	18		
10	21		
15	27		
20	34		
25	41		
30	47		
35	53		
40	59		
45	65		
50	72		
55	76		
60	79		
65	83		
70	86		
75	89		
80	92		
85	95		
90	97		
95	99		
97	99.5		
98	99.6		
99	99.7		

Magenta 1.40		Dry Density	
Dot %	WANTED	MEASURED PRESS SHEET	Difference
1	4		
2	7		
3	8		
4	10		
5	12		
6	14		
8	16		
10	19		
15	26		
20	32		
25	39		
30	46		
35	52		
40	59		
45	64		
50	70		
55	74		
60	78		
65	82		
70	85		
75	87		
80	90		
85	94		
90	96		
95	99		
97	99.5		
98	99.6		
99	99.7		

Yellow 1.00		Dry Density	
Dot %	WANTED	MEASURED PRESS SHEET	Difference
1	4		
2	6		
3	7		
4	8		
5	10		
6	14		
8	16		
10	18		
15	25		
20	31		
25	38		
30	44		
35	50		
40	57		
45	62		
50	68		
55	73		
60	77		
65	81		
70	84		
75	86		
80	90		
85	92		
90	95		
95	99		
97	99.5		
98	99.6		
99	99.7		