

Rule catalog

Color cut 14.05.24



Conventional color cut Book cut CPI	Digital 4-color Book cut CPI	1/2-colored offset fan cut HECTOR	Digital 4-color fan cut HECTOR	Task definition	P B	F I a P	H C	Solution
	x			Only one book cut page is printed - ink splashes onto other book cut pages -> Other book pages must be trimmed in the 2nd operation: Additional costs	X	X	X	File content must, if possible, be smaller than the book. This results in small white space at the edges (0.5 mm).
	x			With flap brochures - blurred print image due to the print head being too far away from the front cut, caused by excessive flap protrusion.		X		Keep the flap protrusion as small as possible, if possible not larger than 0.5 mm.
x	x			Unlaminated envelopes cannot be subsequently cleaned on U1 and U4.	X	X		Conventional color trim: Color trim should be color-matched to the cover color. should be printed in the same color on the cover edges, subsequent cleaning of the cover is not possible. Make the digital print file narrower in the book thickness, white blemishes on the first and last sheet are not printed.
	x			Monochrome areas, especially dark shades, are more difficult, as the print heads produce slight streaks	X	X	X	Conventional color cut is more suitable.
x	x			Hotmelt residues can influence and distort the color acceptance on the side cut.	X	X		Use dispersion
	x			Voluminous, dusty papers contaminate the print head and impair the print result (high-volume papers containing wood)	X	X	X	Use of alternative papers.
	x			Incline in the spine deforms the book block during printing	x	x	x	The pitch must not be greater than 1 mm (thread sewing).
		x		The desired motif is printed in one or two colors in the front cut on each side of the sheet by approx. 4 mm	X	X	X	After binding and final trimming, the Hector can be recognized.
			x	The desired motif is printed in the front cut on each side of the sheet in approx. 4 mm four colors	X	X	X	Roll width must not be fully utilized 0.5 cm from the edge. The Hector can be seen after binding and final trimming.
		x	x	Slight register fluctuations in height and width	X	X	X	Fluctuations cannot be completely avoided.
x		x	x	Conventional color cut can be applied very well to the fan cut	X	X	X	-