

High-Precision Printing & Customization Manual

Artwork Specifications, Color Matching & Press Guidelines for Brand Owners

1. Executive Overview & Technical Scope

Packaging represents the primary tangible touchpoint between your brand and your end consumer. TopWay provides advanced flexographic, rotogravure, and screen printing services across our paper and polymer packaging divisions. This guide details file preparation, bleed allowances, barcode grading, and ink systems required for first-pass press approvals.

2. Technical Specifications & Grade Parameters

Print Process	Substrates	Max Colors	Resolution / Screen	Minimum Line Width
Flexographic Direct	Corrugated Kraft & White Liners	4 Colors	55 - 85 LPI	0.3 mm (Positive), 0.5 mm (Reverse)
Rotogravure Reverse	BOPP Film (for Woven Sacks)	8 Colors	150 - 175 LPI	0.15 mm (Positive), 0.25 mm (Reverse)
Silk Screen Direct	HDPE Containers & Non-Woven	3 Colors	60 - 80 LPI	0.4 mm (Positive), 0.6 mm (Reverse)
Thermal Inkjet (TIJ)	Outer Shipping Cartons	1 Color (Black)	300 DPI	Barcode standards compliant
Pre-Print Linerboard	Bleached Top Kraft	6 Colors	120 - 133 LPI	0.2 mm (Positive), 0.3 mm (Reverse)

3. Engineering Features & Operational Advantages

- **Pantone Matching System (PMS):** Spectrophotometer matching maintaining strict color consistency throughout production runs.
- **Barcode Readability:** High-contrast printing ensuring rapid optical scanner reads across distribution centers.
- **Ecological Water-Based Inks:** Low-odor aqueous ink formulations safe for packaging use.

4. Commercial Compliance, Registration & Sustainability Credentials

- **100% Recyclable Prints:** Water-based and non-interfering inks preserving substrate repulpability.
- **Government Recognised Enterprise:** Industrial print facilities registered with local and national trade authorities.
- **GST Registered & IEC Code:** Commercial trade documents provided with every production run.

Commercial Inquiries & Custom Specifications:

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