



# Flexographic Printing Capabilities

INDEVCO corrugated manufacturing plants use a method of direct printing known as flexographic printing. Flexo printing uses resilient relief image plates of rubber or photopolymer material fixed to a plate cylinder and inked by ink metering anilox roller. Printing, using fast-drying ink, is done on absorbent or non-absorbent substrates.

## Our flexographic printing press types include:

- Pre-Print (Web to web central impression)
- Post-Print (sheet-fed in-line direct printing)

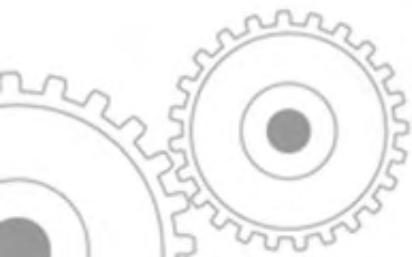


### Pre-Print (from Web to Web)

- Web to web
  - Uses central impression cylinder
  - Consists of six printing sections around the cylinder
  - Also offer coatings
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- Costly printing plates
  - Orders < 120,000 sheets: Print on sheet-fed printers
  - Better for high graphics
  - We print on paper rolls, not corrugated boards, a homogeneous surface
  - Can apply varnish or full tone colors on paper before printing
  - Misregistration acceptable margin: less than 0.1mm

### Post-Print (Sheet Fed)

- Sheet fed combined corrugated boards; adjustable machine can run many sheet sizes
  - Can be connected to in-line die-cutting section or slotting & gluing converting section
  - Fixed repeat cycle per machine
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- Lower price printing plates compared to pre-print
  - Not suitable for very high graphics
  - Strips appear, caused by the non-homogeneity of the printed surface
  - Can not apply varnish on board before printing
  - Misregistration acceptable margin: less than 2.5 mm



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All printing capabilities below use water-based ink. Coats & lacquers are available.

Printing Type	Printing	Printing Repeat	Colors	Coating Units	Input	Output
Flexo Liner Pre-Printing	Up to 120 lines / inch  Up to 245 cm (96") width	71-205 cm  (28 - 80")	Up to 6	2	Clay coated or uncoated  Kraft brown or white  Virgin or recycled	Printed roll for corrugators:  Width: Up to 250 cm (98")  Thickness: Up to 350 gsm
Flexo Post Printing	Up to 80 lines / inch  Up to 400 cm (157") width	70 - 167 cm  (28 - 66")	Up to 5	1	Clay coated or uncoated  Kraft brown or white  Virgin or recycled	Printed sheets:  Width: Up to 415 cm (163")  Thickness: Up to 12 mm (triple wall)
Single Face Printing – Pre-Corrugation	Up to 120 lines / inch  Up to 245 cm (96") width	71 - 205 cm  (28 - 80")	Up to 6	2	Clay coated or uncoated  Kraft brown or white  Virgin or recycled	Printed roll for corrugators:  Width: Up to 250 cm (98")  Thickness: Up to 350 gsm
Single Face Printing - During Corrugation	Direct printing	71 - 205 cm  (28 - 80")	1	-	Kraft brown or white  Virgin or recycled	Width: Up to 250 cm (98")  Thickness: Up to 350 gsm

