



Offset / Lithographic Printing Capabilities

INDEVCO corrugated manufacturing plants use a method of indirect printing known as offset printing or lithography, the most common form of commercial printing.

In the offset lithographic printing method:

- Paper does not come into contact with the printing plate
- Oil and water do not mix
- Litho printing plate has non-image areas to absorb water

Market applications of offset printed materials include commercial printing, packaging, newspapers and publishing

During Printing

- Artwork is produced digitally with graphic design software
- An image setter is used to produce films
- Each film is used to make a printing plate through a photochemical process
- Plate surface has non-image areas which absorb moisture and repel ink
- Flexible plates, which can be made of a variety of materials, are connected to the plate cylinder
- Plate is kept moist throughout the process so that ink only adheres to image areas
- Ink image is transferred to a rubber surfaced blanket cylinder and then to the paper
- Blanket cylinder's flexibility preserves the delicate plate and conforms to the surface of textured paper

After Printing

- Printed sheets are taken for finishing: trimming, folding and binding

| Printing Type | Printing | Printing Repeat | Colors | Coating Units | Input | Output |
|-------------------------|--------------------------------------------------------|-----------------|---------|---------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Offset / Litho Printing | Up to 200 lines / inch Up to 160 cm (63") width | 110 cm (43") | Up to 6 | 1 | Clay coated or uncoated Kraft brown or white Virgin or recycled | Printed sheets: Width: Up to 110 cm (43") Thickness: Up to 500 gsm |

Coats & lacquers are available. Oil based ink used.

