

OFFSET PRINTING

Only the best image
will do



Quality, definition and speed for your packaging. SP GROUP brings you offset printing

With offset printing, our flexible material printing takes a revolutionary step forward to complete a **range of solutions and techniques that is as strong as it is versatile.**

Our new **COMEXI OFFSET C18** printer makes us the **first company in Spain to offer all three types of printing: flexography, rotogravure and offset printing.**



Offset printing: what do we have to offer?

Suitable for **all formats** (lids, pre-formed pouches and bags, pouches and bags for later forming, etc.) **and products** (yoghurt, cold meats, snacks, pet food sauces, etc.), our hybrid printing combines offset printing with flexography and is characterised by being **fast, environmentally friendly**, and having an incredible **quality of definition**.

Its advantages include:



It is eco-friendly: Its **EB (Electron Beam)** inks contain no solvents, are quick drying and highly resistant.



It is easy to handle thanks to the extremely lightweight material in the plates (which are also recyclable).



It is a mature, perfected, safe technology.



Its production speed is much higher.



Its energy consumption is low.



It has no thermal impact.



It is fully adapted to the needs of the food sector, reducing the risk of migration problems.



It is antibacterial, since EB drying finishes with any bacteria that may be present.



It uses ink more efficiently:
Up to 70% less.

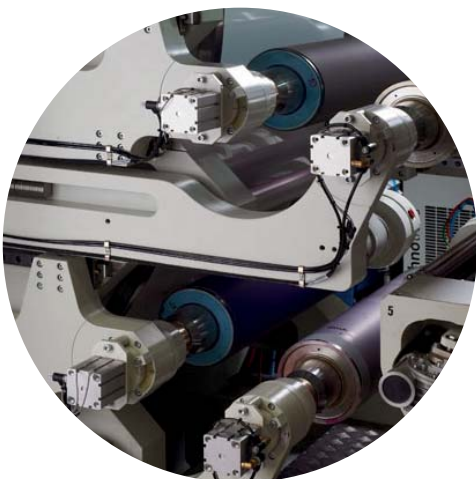
OUR EXCELLENT NEW PURCHASE: THE COMEXI OFFSET C18

A highly intelligent all-rounder.

Print quality. These are qualities of this brand-new addition to our complement of equipment that can take the printing of your packaging to another level.

The **Comexi Offset C18** is the first offset and flexography hybrid on the market. It has a flexo body and a central drum system, ensuring the colours have **greater opacity and definition.**

It also **eliminates the splashes** and streaks produced by distance between colours, and its pasteurisable ink can be printed on **all materials, including PET.**



INTELLIGENT PRINTING

A surprising aspect of our machine is its **"ability to learn"**. With each job it **collects data and records configuration, noting any possible errors** so it can automatically correct them in later runs.

This aspect, together with the **precision of its colour tests (99% accuracy)**, makes it a unique tool in the world of packaging printing.



INNOVATION FOR YOUR PRODUCTS. CONVENIENCE FOR YOU

Our revolutionary new printing system has the following features:

New inks for **better adhesion** to a wide range of materials.

Standardisation of **seven-colour** processes (much more vivid than the traditional CMYK), with 7 offset units and one flexography unit.

The machine has a **robot arm** for loading and unloading cylinders simply and efficiently.

A **central drum** system that reduces the distance between each colour application.

A stochastic screen of up to **200 dpi**.

Pasteurisable inks that print on polyester, polyethylene and polypropylene.

Automation of the printing process.

SEVEN-COLOUR



CMYK

TECHNOLOGY FOR YOUR PRODUCT.

TECHNICAL SPECIFICATIONS

OF THE **CI8.**

Quality of 60 to 120 lines/cm (150/400 lpi).

Speed, rapid pre-printing production.

Eco-friendly, energy savings and elimination of solvents (EB drying).

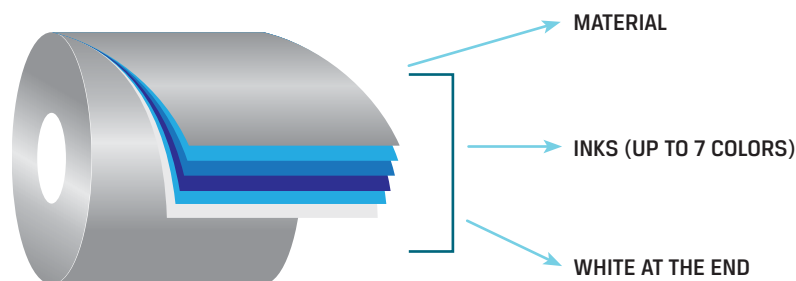
Efficiency, automation, 7 colours, EB covering (scrape resistant gloss/matt).



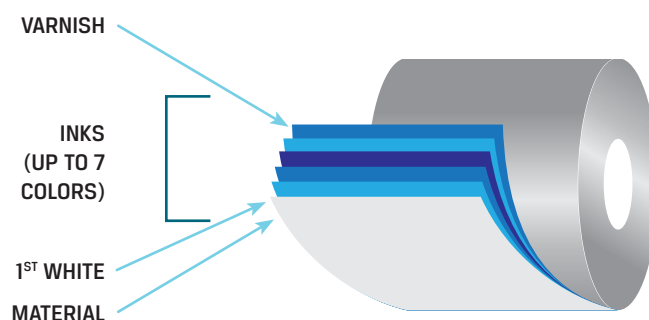
Two ways of applying ink, same result

Choose the ink-application option that best suits your packaging:

1. On the back (in a complex): Just like a sandwich, the printing stays in the middle, between the materials. This is the most common form of application.



2. On the surface (on a laminate): First the white is applied and then the other colours. It is finished with a layer of varnish.





"Innovation and market demands mean we need to keep abreast of the latest technology and consumer trends in order to ensure we can advise our customers on new options for their projects".

Francisco Bernal Cortés, managing director of SP GROUP.

30 years creating packaging solutions, and still as fresh as ever!

Døvig



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After 3 decades of experience in

manufacturing flexible laminates, SP Group is a leader in the packaging sector in Spain with branches in the main European countries.

Our success is due to our team of more than 500 experts located all over the continent, a strong R&D and Innovation department and quality levels that allow us to meet the needs of our most discerning customers.

SP GROUP IN FIGURES: (2014)

- Turnover of 114 million euros.
- 563 employees throughout Europe.
- Production of 33,800 tonnes.
- 3 modern production plants.