

Offset Printing Machine Control Panel

Product Brief:

Offset printing is a commonly used **printing** technique in which the **inked** image is transferred (or "offset") from a plate to a rubber blanket, then to the printing surface. When used in combination with the **lithographic** process, which is based on the repulsion of **oil** and water, the offset technique employs a flat (**plan-o-graphic**) image carrier on which the image to be printed obtains ink from ink rollers, while the non-printing area attracts a water-based film (called "fountain solution"), keeping the non-printing areas ink-free.

Panels consist of:

1. 3ph, AC drive for main motor drive.
2. Servo driver for unwinder.
3. Dampening drive.
4. Tension control.
5. Length counter.
6. Paper counter.

Process:

The machine will print based on the offset required (e.g. 2colour, 3colour, 8colour etc) the machine is mechanically synchronized. It is ideally suited for printing and packaging industries.

Features:

- Dampening and Impression On/Off.
- Precise web tension control.
- Precision register control at any speed.
- Configuration choice from 1 to 8 colours in offset.
- One side or both side printing.

