

WEB OFFSET FOR PACKAGING – Flexible packaging continues to be a growing segment in the packaging industry. Up to now, flexible packaging is generally printed on flexo and gravure printing presses, but offset offers advantages in terms of print quality, the environment and productivity.

PRINTING QUALITY - In offset it is possible to achieve an extremely high line screen and registration. Generally speaking, flexo print quality cannot match that of offset and gravure.

OFFSET AND THE ENVIRONMENT – Environmental aspects are becoming the major driver in the printing industry. More than 90% of flexible packaging is printed with solvent-based inks on flexo and gravure presses. This means for printers heavy and expensive equipment to eliminate polluting throwing out and limiting fire or explosion risks. These equipment are big energy consumers. Offset technology doesn't need it and greatly reduces levels of the VOC (Volatile Organic Compounds) emission.

PRODUCTIVITY - SHORT CHANGE-OVERS - Just In Time stock management is an effective way of streamlining the supply chain and to lower the cost of carrying inventory. Offset guarantees a fast and affordable start-up of a new print job, making short run jobs profitable. Offset plates are prepared in minutes and are up to 20 times cheaper than flexo plates or gravure cylinders. This enables you to reduce time to market and provides flexibility in production planning.

SLEEVE OFFSET TECHNOLOGY – Sleeve offset technology allows you to work with variable sizes in offset. The sleeve technology lets you easily change sizes without having to completely change the unit; a very cost-effective way of printing different repeat lengths. DG Graphique offers you a state of the art press built on a redeveloped sleeve technology.



THALLO PRINTING PRESS

The Thallo is a second generation web offset press built on 10 years of experience in sleeve offset printing. This press combines sleeve offset technology with near limitless in line options for printing your products; ready for the future.

SIZE VARIABILITY – Quick job changes are achieved by means of lightweight sleeves and cheap offset plates, making short runs more profitable. One set of sleeves per printing deck (plate sleeve and rubber blanket sleeve) are manually exchanged in less than two minutes.

INNOVATIVE MANDREL DESIGN - Redesigned from the ground up, the Thallo mandrel accepts existing offset sleeves, as well as a new type of sleeve.

PRINT PROCESS CONTROL – Temperature control and tendency measurement gives the operator a clear insight during production. This gives the operator more control over the printing process and it stabilizes production quality.

PRECISE WEB TENSION AND REGISTRATION – Separately driven printing units and impression cylinders allow for precise web tension control and print registration, on the most sensitive of materials from 12 to 200 microns thickness. Registration remains accurate during speed adjustments.

Specifications:	Thallo 520	Thallo 850	Thallo 1050
Web Width	Max. 520mm	Max. 850mm	Max. 1050mm
Max. Print Width	500mm	830mm	1030mm
Max. Printing Speed	400m/m	400m/m	400m/m
Repeat Range	406 – 762mm (16 – 30")	406 – 762mm (16 – 30")	406 – 762mm (16 – 30")
Repeat Steps	Stepless	Stepless	Stepless
Material Range	12 – 200 µm	12 – 200 µm	12 – 200 µm

DRYING – The Thallo can be equipped with all common methods of drying, like UV and EB. UV drying is often the most suitable solution for difficult print processes and temperature sensitive printing materials. EB drying is used for printing up to the most demanding food safety guidelines.

MODULAR CONCEPT – The Thallo press is designed for modular configuration of the press. This flexibility allows the press to be reconfigured and extended to your demands in the future, enhancing the lifetime and investment value of the press.

SMALL FOOTPRINT, SHORT WEB LENGTH – The new press is specifically engineered to reduce the length of the machine. Not only will it be easier to fit in your print room, it also reduces web length. This contributes to the stability of the printing process and reduces start-up waste.

SIMPLE OPERATING SCREENS – New user-friendly software makes the press accessible for everyone and easy to use. The operating screens have been designed for ease of use, but at the same time giving the operator full control over the printing process.

