



G-AUXO

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Shape the future with web offset printing



DG press
service & innovation for you

www.dgpress.nl



Next generation hybrid printing platform

DG-AUXO is a hybrid web offset printing platform designed for the production of film, foil, paper and board-based packaging, label and security print applications. The press is available in several web widths to suit various market demands. **DG-AUXO** excels at short to medium print jobs at the highest print quality while being the most sustainable choice in the industry. Low pre-press costs and a decreased time-to-market offer converters and brand owners all the benefits of web offset printing in an everchanging and fast-paced market.

DG-AUXO has been developed by building on many years of experience in offset printing with sleeve technology for variable print sizes. All successful features from previous models such as the VSOP have been integrated in this new generation sleeve web offset press. Any flaws in previous designs have been analysed and resolved. Flexibility, versatility and sustainability are key factors of the **DG-AUXO** press.

All machines can be configured to meet any production needs, and machine configurations can easily be changed even after the press has been installed in your production facility.

DG-AUXO is a printing platform which will never be outdated thanks to the modular design of the press.

Investing in a new web offset press equipped with cutting edge technology is just the beginning. At DG press we strive to continuously innovate and achieve better results together with you as our partner.

Web offset offers:

-  Cost benefits
-  Print quality
-  Sustainability
-  Food safety

Cost benefits of *DG-AUXO*

The market of today demands an enormous variety of (flexible) packaging to achieve the best shelf appeal, with different sizes, flavors, seasonal, regional and promotional packaging. This has resulted in smaller average order sizes for converters in recent years. This is a challenge for converters as well as brand owners; how can we make profit on shorter runs while avoiding high set-up costs for every different print job?

DG-AUXO is the answer!

Flexo and rotogravure presses still come with high set-up costs and long downtimes when changing to a new print job. Sleeve offset technology has allowed us to minimise downtime on the press due to quick job changeovers, while offering the lowest set-up costs. Offset plates cost a fraction of engraved gravure cylinders and flexo photopolymer plates.

Besides, offset printing plates can be produced in-house, enabling a new job to be print-ready on the press within a matter of minutes. When compared to the time-consuming process of engraving cylinders in gravure printing or producing photopolymer plates in flexo printing, this is a significant time saving.

The time-to-market on a **DG-AUXO** press is the quickest in the industry. Brand owners are now able to react quickly with their marketing campaigns, sports and social events, or any events which require specialised packaging on short notice, while avoiding high set-up costs.

Cost benefits:

-  Reduced time-to-market
-  Lowest pre-press costs
-  In-house plate production
-  Quickest job changeovers
-  Low machine downtime
-  Recyclable plates

Web offset printing plates are disposable and fully recyclable, preventing any impact to the environment. Unlike engraved cylinders and photopolymer plates, offset plates do not have to be stored in large warehouses. This saves space and allows converters to cut costs of inventory for storage of plate carriers.



The perfect machine configuration:

Unwinder

Unwind your reels of foil or paper. The options are a mono unwinder, or choose for a non-stop unwind splicer for continuous production.

Corona unit

Treatment of flexible substrates to increase surface energy and allow improved adhesion of inks and coatings.

UV curing

UV lamps mounted on a chill roller to simultaneously cool the web while curing the ink with UV lamps. This prevents shrinking of the substrate with the best curing results.



Web-guide

Monitor the position of the web and ensure a continuous and aligned flow of substrate through the press.

Offset printing

DG-AUXO offset printing units equipped with sleeve technology. The units can be equipped with the possibility of a flexo insert. Enabling both options: offset print or flexo print.

The modular design of the *DG-AUXO* web offset press series allows optimal

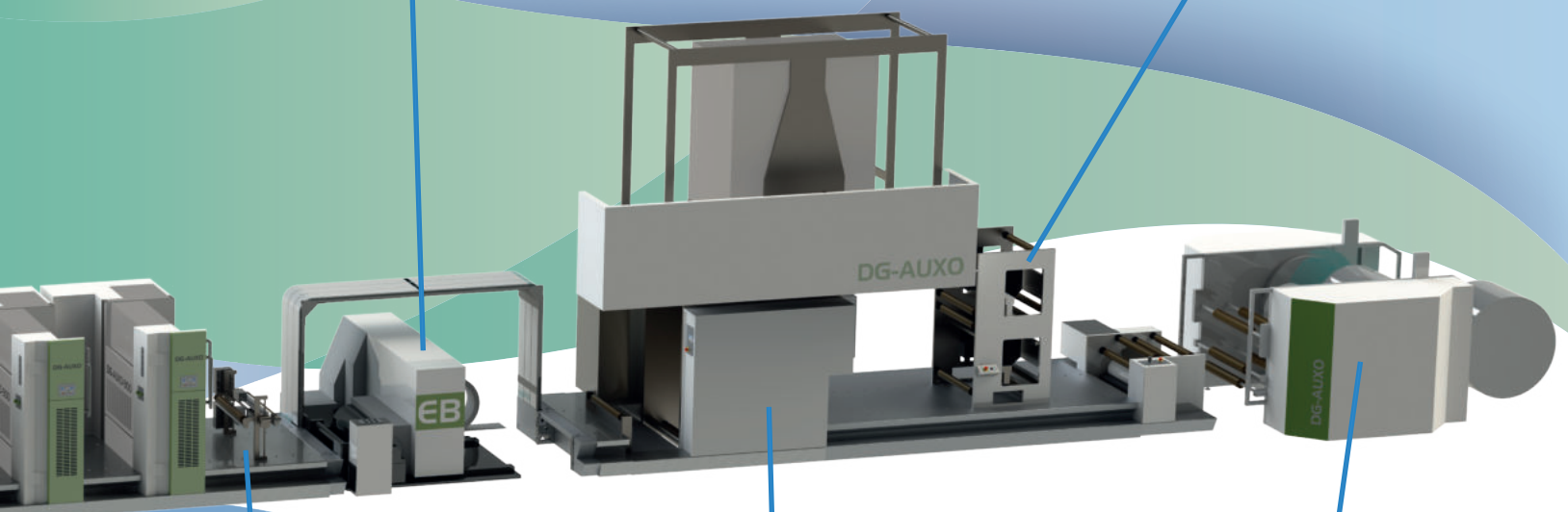
Flexible packaging print in 7 offset colours

EB curing

Electron beam (EB) curing is the most sustainable curing technology in the field. Wet trapping the offset print and then curing all the ink with a single EB unit results in a low carbon footprint.

Web video

Monitor your printed product by using high speed web video and/or quality control systems. Quickly recognise and correct any defects in your printed image.



Register control

Automatically check and adjust the register of the printed image. High speed cameras monitor the register marks and make sure all colors are printed in perfect register.

Flexo hot-air

Apply water-based coatings or primers with a flexo printing unit, and cure the ink with a hot-air dryer. A combination between hot-air and UV curing is also possible for flexo units.

Rewinder

Rewind the reels of paper or foil after the full image has been printed. Mono rewinder or non-stop splicer options are available. Slitting can also be integrated in the rewinder.

and customised press configurations for any portfolio or combination of jobs

Print quality

Shelf appeal is still the most important aspect to stand out from the crowd and outshine the competition. Consumers will always be attracted to eye-catching visuals printed in the highest quality. This generally influences consumer buying decisions when they are strolling through a shop. Brand owners therefore demand high quality packaging.

DG-AUXO offers the highest print quality available, web offset printing uses high line screens and screening techniques to produce stunning photo realistic images. Web offset is a well established and repeatable printing process that is unmatched in terms of color reproduction and print proof matching. With an integrated in-house pre-press process, offset printers and brand owners can standardise all print-related processes at multiple different production locations around the globe. **DG-AUXO** technology offers predictable high print and color quality which outperforms any competition.

Sustainability

Increasing energy costs, environmental awareness and new legislation have all resulted in sustainability being at the top the agenda for most printing houses and brand owners.

Web offset printing in combination with Electron Beam (EB) curing enables the use of energy curable inks which are solvent-free and offer food safety advantages. No solvents or green house gas emissions, which makes it easy to comply with legislation. No complex building construction requirements and regulations ensure the press easily fits in any facility. The **DG-AUXO** also has the lowest energy consumption in the industry; no hot-air dryers, no solvent recovery systems or incinerators are required. Low energy consumption, while avoiding any harmful emissions being released into the environment, results in a very low carbon footprint. This makes the **DG-AUXO** press the most sustainable choice, with the highest operational efficiency for short and medium job volumes.

Food safety

Ink migration is a big concern for brand owners and converters. Web offset with EB/UV curing is a proven and verified solution for all converters printing for the food industry. A wide variety of chemistries (inks and coatings) have been tested and certified to be safe for use in food packaging.

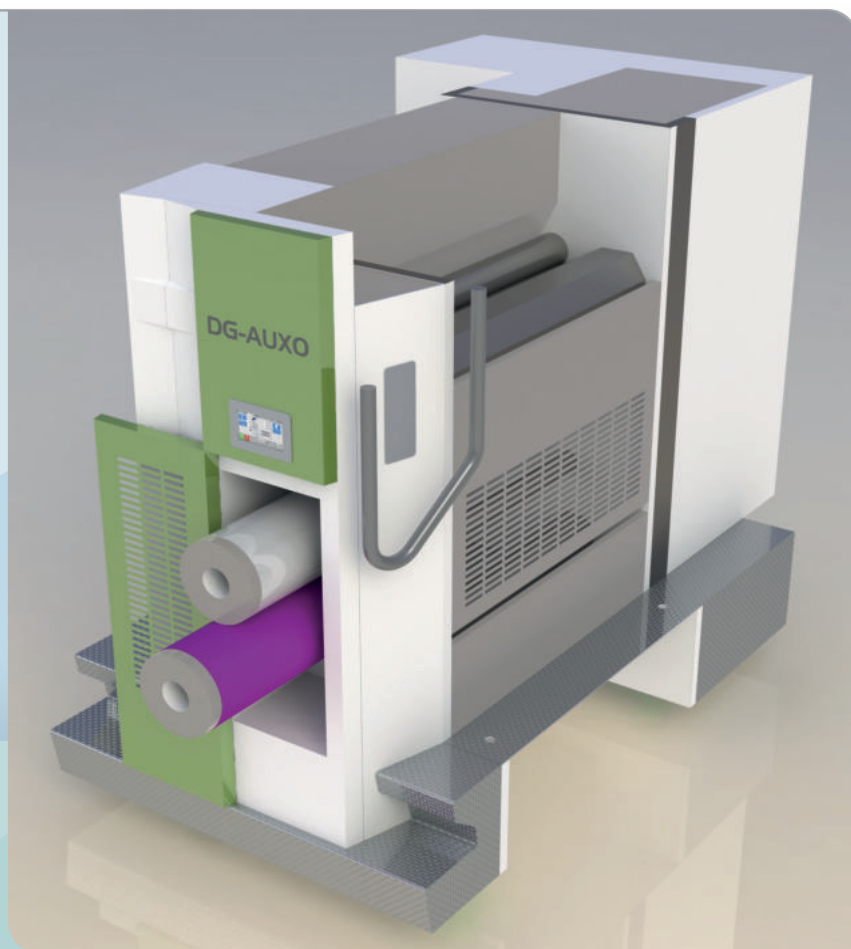
As legislation and regulations are becoming more strict, **DG-AUXO** is equipped to comply in the future.



Sleeve offset

Sleeve offset technology uses separate control over plate and blanket cylinders within the offset printing units. This allows operators to change the repeat length and/or the image without having to change the complete “print cartridge”.

Changing sleeves is an efficient, and easy way to mount a new job on the press, and can be done within just a few minutes. Any repeat length between 16” and 30” (406-762mm) is available; no fixed sizes. Image carriers; offset plates, are mounted on the plate sleeve and can be easily removed after a job has been printed. Therefore, sleeves can be reused endlessly.



This technology has decreased the time needed for a job change-over significantly minimising the press downtime. This results in high-efficient printing of different repeats with ease of use. Sleeve offset technology was designed to be user-friendly, making the task of the operator easier, allowing them more time to focus on quality. Sleeves are lightweight and can be handled manually, however, we also offer ergonomic sleeve mounting systems.

Paper & flexible packaging options:

- Non-stop splicers
- Corona treatment
- Contact and non-contact cleaners
- Dedicated Flexo units (water-based, solvent-based, UV-based)
- Flexo inserts)
- Rotogravure units
- Curing/drying systems (UV/Hot-air/EB/LED UV)
- 100% inspection control systems
- Closed loop color control systems
- Automatic blanket washing
- Laminating modules
- Insetting / 2nd web pass



Specifications *DG-AUXO 520* *DG-AUXO 900* *DG-AUXO 1085*

Web width*	520 mm (20.5")	900 mm (35.4")	1085 mm (42.7")
Print width	510 mm (20.1")	890 mm (35")	1050 mm (41.3")
Max. printing speed	400 m/min 1312 ft/min	400 m/min 1312 ft/min	400 m/min 1312 ft/min
Repeat range	406-762 mm 16-30"	406-762 mm 16-30"	406-762 mm 16-30"
Repeat steps	stepless	stepless	stepless
Non printing zone	2,5 mm	2,5 mm	2,5 mm
Mandrel diameter	92,246 mm	101,975 mm	101,975 mm
Material range (Flexibles & labels)	12 - 200 µm	12 - 200 µm	12 - 200 µm
Material range (Board)	Up to 700 µm	Up to 700 µm	Up to 700 µm

*1050 mm web width is also possible. Contact us for more information



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