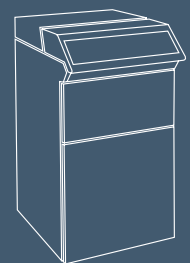
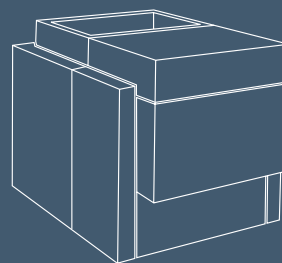
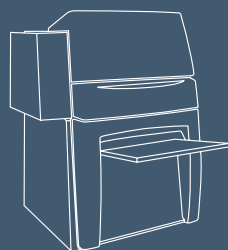


**DPX** The fastest way to a press-ready plate



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**DPX** The fastest way to a press-ready plate

# Expand your business and improve your competitiveness



The trend towards multi-color printing and smaller print runs makes polyester CtP the ideal technology for cashing in on the benefits of a digital workflow. Whether CtP uses polyester or paper-based direct printing plates, CtP is a future-oriented process that is based on sophisticated and proven technology. Since printing orders are increasingly prepared in electronic formats, CtP is the next natural step for small and medium commercial print operations that want to integrate their workflow into the digital era and join the move to film-less production.

Our DPX solutions are continually being developed to offer the most advanced technological solutions as well as speed and precision. To deliver its full potential, your CtP solution should provide press-ready plates on a tray – cut to the exact size and ready for use. This is the most important requirement and the focal point of our solutions.

The RIP will position your job on the plates automatically according to the set-up you select. The plates are fully exposed and have been cut to size – so no trimming is needed. The built-in processor then develops and dries the plates automatically. High repeatability and internal drum punch assure excellent register on the press.

Our CtP solutions are fully automatic and the benefits are obvious. You can expand your business and increase your productivity. You can also enjoy the flexibility offered by a greater variety of job sizes and the ability to change quickly from one job to the next. Moreover, CtP technology guarantees top quality by making a clean, first generation dot directly on the plate. As a result, all the quality-reducing intermediate steps of classical plate making are eliminated. And the low cost of operation means you can take on even smaller jobs while maintaining or even improving your profitability.

# DPX System

## **The fastest way to press-ready-plates**

The DPX System is a dedicated polyester CtP solution capable of delivering color-separated and punched plates perfectly in register directly from the machine—and ready to be mounted onto the press. The image position on the plate is controlled by the RIP and is set up according to the specifications you choose. It is always in perfect register to your requirements for the gripper margin.

## **Flexible operations**

The unique combination of two distinct features – the internal drum punch system and the two simultaneously on-line material magazines – provides you with optimal flexibility.

## **Two formats on-line**

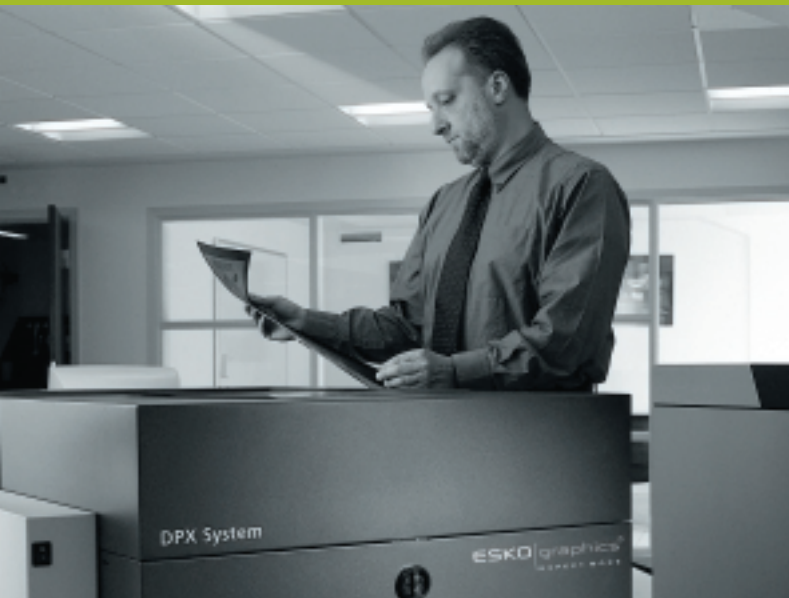
Imagine being able to feed two presses with different formats from the same platesetter – with no manual interruption. The DPX System offers this flexible and time saving option. With the DPX System, you can fit two different formats of materials into the two magazines and expose plates of either format as needed. In combination with the available punch solutions, you can effortlessly output press-ready plates in both landscape and portrait formats on demand. The rolls of polyester material can be loaded in full daylight

directly into the magazine. Each roll contains 61 meters (200 feet) of plate material providing for approximately 120 GTO 52 plates.

## **Unique plate-loading system**

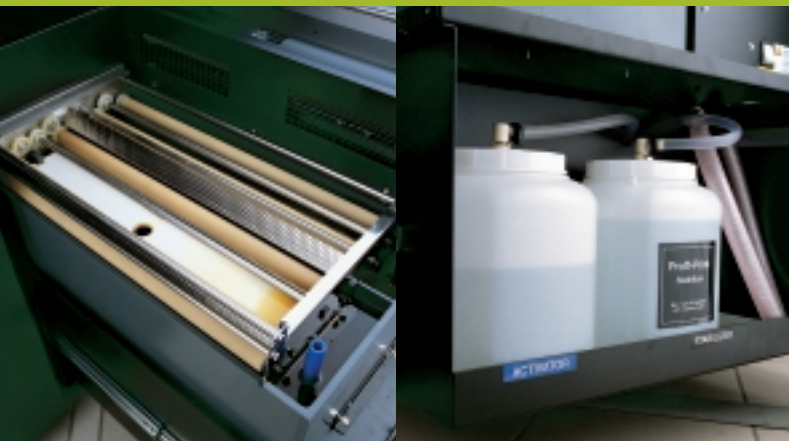
In CtP production, plate alignment is an important issue since the plate material is loaded in rolls and cut to size during production. In the DPX System, a unique loading system ensures full alignment – from loading to output. The plate material is transferred directly from the loading magazine to the drum. As soon as it enters the drum, it is fixed to the drum surface by means of a vacuum, which ensures perfect alignment as the plates are punched, exposed and cut.





### **Internal drum-plate punching**

Flexibility in switching between plate formats is a requirement for short-run color jobs. One of the most critical points when switching between plates is the ability to obtain the perfect registration of the color separations to ensure high-quality results. With the DPX System, punching is done automatically as part of the internal drum technology. This unique feature of exposing the plates in punch position ensures the required accuracy and eliminates time-consuming manual errors.



### **Advanced processor technology**

The processor in the DPX System is based on the newest technology in polyester plate processing. It has a two-bath design with active replenishment. Using this new concept, which consists of two very small tanks, reduces the amount of chemicals used. The active replenishment ensures that there are sufficient fresh chemicals for the day's operation even when a large number of plates are being processed. Furthermore, the design makes it easy to disassemble the unit for maintenance and refilling purposes. To empty, clean and refill the unit with chemicals takes less than 10 minutes. And since chemical disposal is a push-the-button operation, the final result is a very cost-effective solution.

### **Lower costs and increased productivity**

Because there are no manual processes involved, the DPX System enables you to produce more plates per hour and achieve better usage of your printing machines. This gives you the capacity to take on more jobs without an increase in labor costs. By investing in a DPX System, you can achieve cost savings of up to 65% per plate, which obviously increases your business opportunities. And with the DPX System, you have a highly versatile system, which allows you to compete in the rapidly emerging process color (4-color) short-run market. Since the DPX System significantly reduces the process of plate making, delivery time to your customers can be similarly reduced. This makes you an important and competitive player in the field of print on-demand.

# DPX 5080

## High performance and quality

The DPX 5080 is a fully automatic platesetter, which means you do not need an operator to monitor the unit at any time. You simply send your jobs to the RIP, which is set to your requirements and the ready-to-use plates are stacked on the outlet tray. All you have to do is pick up the plates and start the press.

## Press-ready plates, cut to size

When the plates are delivered on the tray, they are ready for use. The RIP will position your job on the plates automatically according to the set-up you have chosen. The plates are fully exposed and cut to size – no trimming is needed. The built-in processor develops and dries the plates for you. The internal drum technology assures that the high repeatability of the DPX 5080 makes it very easy to punch the plates and quickly achieve excellent register on the press. As a result, the quality of your printing job is optimal.

## State-of-the-art processor

An environment-friendly, low-consuming unit, based on advanced technology and

years of experience, is incorporated in the design of the unique 2-bath polyester plate processor, which is installed in the DPX 5080. This processor operates with just two very small tanks, which reduces the amount of chemicals used. Two replenishment bottles are located inside the machine – with enough activator and stabilizer to feed one roll of plate material. The processor's overflow pipe is designed to control the level of chemicals in the processor bath. Excess chemicals will automatically run into a waste container and when this tank is full a warning signal tells the operator to empty the container. All the operator has to do is click the tube onto the container and push the button. A pump will automatically empty the tank—so there is no contact with the chemicals.

## Film options for larger formats and more flexibility

The DPX 5080 offers the choice of running either film or polyester plate jobs, depending on your business requirements. A film



supply cassette and a take-up cassette provides this option for the exposure of film. The RIP software allows you to change between plates and film very easily. You simply press a rewind button to recoil the present media into its lightproof cassette and then load the new media. As a result, there is an absolute minimal of waste.

### **Easy to service and maintain**

To empty, clean and refill the unit with chemicals takes less than 10 minutes. Since the operator can easily handle many maintenance functions, no time is wasted. And thanks to the modular design of the DPX 5080, the system is easy to service and downtime is reduced to an absolute minimum.



## DPX Genesis

### **The fast track to press**

Quite simply, this unique unit is the affordable way for small print operations to upgrade their production processes to a digital workflow – and create press-ready plates quickly and economically. DPX Genesis is small, fast and easy to use. It is the low-cost CtP solution, which employs the most advanced technology from both

imagesetters and platemakers. With DPX Genesis, you can produce press-ready plates that are imaged, cut to size and dried.

### **Platesetter and imager in one**

DPX Genesis is designed to process both film and plate materials. This means that no matter what the job or run length, the all-purpose DPX Genesis can handle it.

To run film, the film option contains a roll holder and take-up cassette so that film can be processed in an off-line processor. Plate material is processed in the in-line processor – and changing from film to plate takes less than five minutes.

### **Advanced Capstan technology**

DPX Genesis uses Capstan exposure technology that exposes material as it passes in front of a laser. The advantage of Capstan is that it guarantees a high level of productivity – up to 28 plates per hour can be produced.

### **No more waste**

Plate material for the DPX Genesis is delivered in 61-meter rolls (200 feet). One roll is long enough to generate 150 plates. And each new plate begins where the previous one ends, so waste of material is eliminated.

### **State-of-the-art processor**

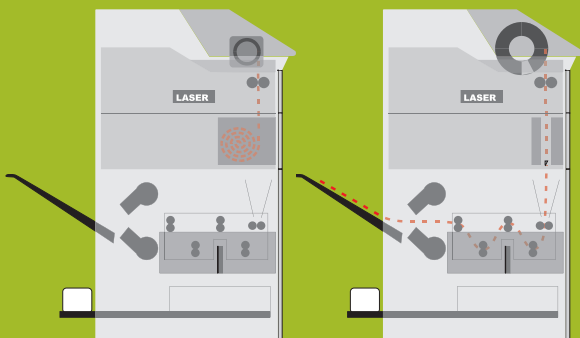
Our advanced technological know-how went into the design of DPX Genesis's unique 2-bath processor for polyester plate processing.



The 2-bath processor operates with only two very small tanks, which reduces the amount of chemicals used. At the back of the machine, two small replenishment bottles are mounted – with enough activator and stabilizer to feed one roll of plate material. This simplifies operation. All the operator has to do is change the replenishment bottles, each time a new roll of plate material is inserted.

### **Easy disposal of chemicals**

The processor's overflow pipe is designed to control the level of chemicals in the tanks. Excess chemicals will automatically run into the waste container and when the container is full, a warning signal tells the operator to empty the container. All the operator has to do is click the tube onto the container and push the button. A pump will automatically empty the container, so there is no contact with the chemicals.



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