



KODAK FLEXCEL
NX ULTRA SOLUTION

FLEXCEL NX Ultra 42 Processing System

Simply fast. Simply clean. Simply high performing.

miraclon

KODAK FLEXCEL NX Systems have transformed the capabilities of flexo printing for the entire packaging value chain, with a level of consistency, on-press efficiency, and print quality previously unachievable with flexo. Now, offering these same benefits in a solvent-free, VOC-free platemaking environment is a new addition to the FLEXCEL NX family. The FLEXCEL NX Ultra Solution delivers an impressive press-ready plate in less than an hour.

Built for production

An efficient larger format system ideal for wide web printer converters and trade shops, the FLEXCEL NX Ultra 42 Processor includes aqueous washout system, drying, and finishing. Superb for high volume production, the equipment is easy to operate and maintain. An icon-based touchscreen user interface, automated cleaning cycles, and simple maintenance procedures maximize productivity in a clean, operator-friendly environment.

Problem solved

Miraclon's proprietary Ultra Clean Technology solves the fundamental challenge of inconsistency traditionally associated with water wash processed flexo plates. FLEXCEL NX Ultra is the first aqueous solution producing high performing plates in a high volume, low maintenance space.

Solvent-free platemaking that delivers a press-ready plate in less than an hour

A complete solution

When you pair the FLEXCEL NX Ultra Processing System and FLEXCEL NX Ultra Plates with the industry-leading imaging capabilities of the FLEXCEL NX System and external exposure unit, it creates a powerhouse system with an optimized end-to-end digital flexo platemaking solution.



Simply Fast

- Turn rush plates quickly - **in less than an hour!**
- Minimize costly press downtime
- Create more plates per shift

Wide Production System

For ultimate convenience, superior results, and optimum workflow.

- Simple user interface with icon-based touchscreen design
- Dual action flat brush washing system
- Simple menu driven programs
- Delamination of FLEXCEL NX Thermal Imaging Layer (TIL) at the processor
- Rinsing, drying, and UV post exposure

Easy to Maintain

- All enclosed, easy to clean configuration
- Simple, quick maintenance procedures

Ultra Clean Technology

- Made from natural, organic plant materials
- Debris and artifact-free plates
- Consistent plates every time!

Solvent-Free, VOC-Free Environment

- No special venting required
- Easy cleanups
- Water-based waste for easy treatment and recovery in a standard dewatering system

FLEXGEL NX Ultra 42 Processing System

Technical Specifications

Specifications for making KODAK FLEXCEL NXUH Plates				
System performance	<ul style="list-style-type: none"> Ready-to-go plate in less than an hour (includes imaging) Up to 25 plates in a shift 			
Supported media sizes	610 x 762 mm (24 x 30 in)	800 x 1067 mm (31.5 x 42 in)	900 x 1200 mm (35.4 x 47.2 in)	1067 x 1524 mm (42 x 60 in)
Physical characteristics: processor and wash tank				
Dimensions processor and wash tank (H x W x D)	1550 x 2230 x 4332 mm (59 x 87.8 x 170.5 in)			
Weight	Processor: 4000 kg (8900 lb), Wash tank: 700 kg (1554 lb)			
Working area	Front: 2000 mm (79 in); Left, Right & Rear: 700 mm (27.5 in)			
Power requirements				
Processor and wash tank	3 phase 230 V 60 Hz/400 V 50 Hz + ground Frequency: 50/60 Hz ± 1.5%			
Attached water heater	Two single phase 208-240 V 60 Hz or 400 V 50 Hz + ground Frequency: 50 or 60 Hz ± 1.5%			
Power consumption				
Processor and wash tank	21 kW/22.5 kW (60Hz/50Hz)			
Attached water heater	14.4 kW/19.2 kW (60Hz/50Hz)			
Compressed air requirements				
Processor and wash tank	minimum 6-8 bar (87 psi). Minimum 24m ³ /h consumption			
Operating conditions				
Temperature	20°- 30°C (68° - 86°F)			
Humidity	40% - 60% relative humidity, non-condensing			



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