



Arkana

Deploying Agfa Graphics' revolutionary patented cascade system, the Arkana smart plate processor saves printers both time and money, while making operations more ecological and convenient.

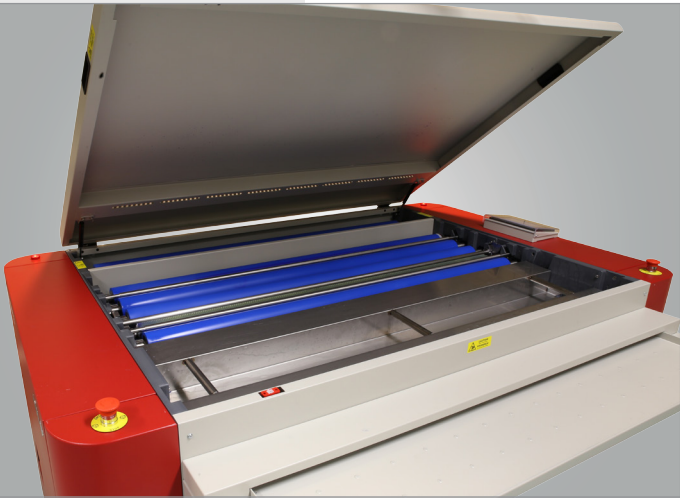
Building on Agfa Graphics' ECO³ framework, it offers consistent, high-quality plate processing with minimal chemistry usage and maintenance.

In combination with the Energy Elite Eco long-run no-bake plate, Arkana eliminates the use of rinse water, resulting in minimal waste generation.



STAY AHEAD. WITH AGFA GRAPHICS.

ECO³: Ecological, Economical and Extra Convenience



BENEFITS AT A GLANCE

Less chemistry and gum

- The combination of an extremely long bath life (up to 15,000 m²) and a very small developer tank results in a total developer consumption which is only a fraction (more than 10x less) of that of current systems. This leads to a drastic reduction in use of chemistry and helps our customers to further reduce their CO₂ footprint as fewer bottles need to be transported, stored and managed.
- The latitude of Energy Elite Eco's concept makes it possible to work with an absolute minimum of replenishment. This results in a chemistry consumption that is up to more than six times less compared to conventional thermal processing systems.
- The unit's patented cascade system allows for a minimum of gum consumption (8ml/m²), for maximum plate protection.

No water

- Water is a valuable resource of our planet and by deploying Agfa Graphics' revolutionary patented cascade system you no longer need water to rinse the plate.

Minimum total waste

- Long bath life, extremely low replenishment rates and the total elimination of rinse water result in a drastic reduction of waste. Compared to conventional thermal systems, up to 50% of waste is eliminated, resulting in fewer costs for waste haulage.
- Low consumption of chemistry and gum results in less packaging: fewer bottles to store, less transportation of containers, less waste.

Lower, easier and safer maintenance

- A bath life of more than 15,000 m² of plates results in a minimal cleaning frequency, creating higher up-time and avoiding maintenance costs.
- Energy Elite Eco's clean chemistry allows for easy and rapid cleaning, without having to use harsh cleaning agents. A quick water flush does the trick.
- The footprint of the Arkana smart processing concept is small, yet designed for optimal operator convenience and excellent performance.

High-performing and consistent system

- Arkana provides a wide operational processing latitude with the Energy Elite Eco printing plates
- Up to 80 plates per hour (B1 size) allows for maximum throughput on all 8-up and VLF CtP lines and makes it the perfect match for high-production heavy-duty environments.

HOW IT WORKS

The Arkana uses a small-volume developer section and cascaded gum sections. The cascading gum sections have a dual function, cleaning the plate and protecting it. As a result no water is required any more to rinse the plate.

Developer section

The Arkana smart processing unit is designed with a 10 liter developer tank. In combination with Energy Elite Eco's clean chemistry this small tank allows for an extended bath life of up to 15,000 m² and extremely low replenishment rates. A long bath life and a minimum use of chemicals results in a lower cleaning frequency and a drastic reduction of collectable waste.

Gum cascade section

As Arkana is using the cascaded gum section for cleaning the plate as well as applying a protective layer, the use of rinse water can be eliminated. This is part of Agfa Graphics' ECO³ framework to reduce the consumption of valuable resources of our planet. A thin layer of gum is put on the plate to prevent plate oxidation, and protects it for handling in the press room. The gum is optimized for optimal protection and only consumes 8ml/m².

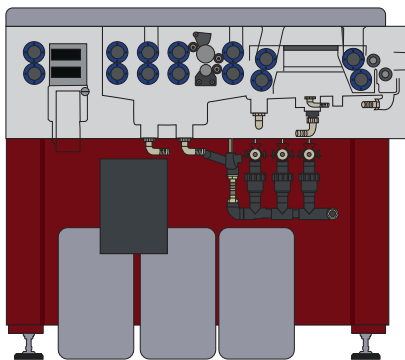
Dryer

The plate is dried by hot air, enabling immediate further handling.

ECO³

Agfa Graphics is committed to sustainable innovation that focuses on ecology, economy, and extra convenience—or ECO³. We aim at developing cleaner and cost-effective solutions that are easier to operate and maintain, both for chemistry-free and for conventional plate systems.





PROCESSOR	Arkana 85	Arkana 125	Arkana 150
Plates	Energy Elite Eco		
Plate type	Positive-working, digital thermal offset plate		
Plate width, min.-max.	200-850 mm (7.9-33.5")	200-1250 mm (7.9-49.2")	400-1500 mm (7.9-59.1")
Plate length, min.	300 mm (11.8")		
Plate thickness, min.-max.	0.15-0.40 mm (0.006"-0.015")		
Platesetters	830nm thermal platesetters		
PERFORMANCE			
Plate speed	160 cm/min (63"/min)		
Plate throughput	95 plates/h (landscape 745 x 605 mm) 67 plates/h (portrait 1030 x 790 mm)	95 plates/h (landscape 745 x 605 mm) 67 plates/h (portrait 1030 x 790 mm)	80 plates/h (landscape 1030 x 790 mm) 49 plates/h (portrait 1524 x 1143)
Water for chemistry dilution	Total hardness < 6° dH		
Temperatures	Developer: min.-max.: 20-28°C (68-82.4°F) Dryer: min.-max.: 20-70°C (68-158°F)		
Noise	70 dB		
PHYSICAL SPECIFICATIONS			
Dimensions (width, length)	1424 x 1172 mm (56.1" x 44.2")	1824 x 1172 mm (71.7" x 44.2")	2074 x 1172 mm (81.7" x 44.2")
ELECTRICAL SPECIFICATIONS			
EUR	Single-phase: 1W + N + PE - 230V / 15 Amps, 50/60 Hz		
US	Single-phase: 2W + PE - 208-230V / 15 Amps, 50/60 Hz		
Power EUR/US	2.7 kWatt (9213 BTU)		
COMPLIANCY			
Approvals	CE standards – cTÜV – US certification		
OPTIONS			
Accessories	Feed table / Exit table / Drip tray		
Interface for platesetters	Included for all Agfa Graphics platesetters Optional for third-party platesetters		

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