

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.



Overview

Building on Agfa Graphics' ECO³ framework, the Arkana smart processor offers consistent, high-quality plate processing with minimal chemistry usage and maintenance, thus allowing printers to further reduce their CO₂ footprint. Maximum throughput on all 8-up and VLF CtP lines makes it the perfect match for high-production and heavy-duty environments.

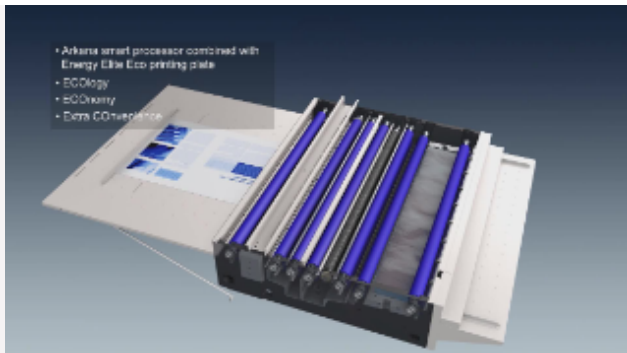
Arkana features a small developer tank, drastically lowering replenishment rates and considerably reducing chemicals consumption. Thanks to Agfa Graphics' patented gum cascade system in which the gum both cleans the plate and protects it with a finishing layer, Arkana no longer requires water for plate rinsing. All in all, it produces up to 50% less collectable waste compared to other systems on the market. In addition, its long bath life drastically reduces maintenance frequency, while the clean chemistry used in the system reduces maintenance time.

Arkana makes a perfect combination with the Energy Elite Eco printing plate.

Related Information

- [Arkana brochure \(English\)](#)
- [Arkana brochure \(French\)](#)
- [Arkana brochure \(German\)](#)
- [Arkana brochure \(Polish\)](#)

Watch the movie



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<https://www.agfagraphics.com/global/en/product-finder/arkana.html>

Arkana



Key Benefits

- Absolute minimum of replenishment results in a chemistry consumption that is up to more than six times less compared to conventional thermal processing systems
- Long bath life, extremely low replenishment rates and the total elimination of rinse water result in a drastic reduction of waste up to 50% compared to conventional thermal systems – and thus less packaging, transport and haulage costs
- Bath life of up to 15,000 m² of plates results in a minimal cleaning frequency, creating higher up-time and avoiding maintenance costs
- High-performing and consistent system
- Energy Elite Eco's clean chemistry allows for easy and rapid cleaning
- Wide operational processing latitude with the Energy Elite Eco printing plates



Features

Small-volume 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. Total developer consumption is only a fraction (more than 10x less) of that of current systems. A long bath life and a minimum use of chemicals results in a lower cleaning frequency and a drastic reduction of collectable waste.

Cascaded gum sections

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's 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 6ml/m².

Hot air dryer

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



Technical Specs

Processor	Arkana 85
Plates	Energy Elite Eco
Plate type	Positive-working, digital thermal offset plate
Plate width, min.-max.	200-850 mm (7.9-33.5")
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	150 cm/min (59"/min)
Plate throughput	95 plates/h (landscape 745 x 605 mm) 67 plates/h (portrait 1030 x 790 mm)
Water for chemistry dilution	Total hardness < 6° dH
Temperatures	<ul style="list-style-type: none">• 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")
Electrical specifications (EUR)	



EUR	Single-phase: 1W + N + PE - 230V / 15 Amps, 50/60 Hz
USA	Single-phase: 2W + PE - 208-230V / 15 Amps, 50/60 Hz
Power	2.7 kWatt (9213 BTU)
Compliance	
Approvals	CE standards – cTÜV – US certification
Options	
Accessories	Feed table / Exit table / Drip tray
Interface for platesetters	<ul style="list-style-type: none"> • Included for all Agfa Graphics platesetters • Optional for third-party platesetters

Processor	Arkana 125
Plates	Energy Elite Eco
Plate type	Positive-working, digital thermal offset plate
Plate width, min.-max.	200-1250 mm (7.9-49.2")
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	150 cm/min (59"/min)
Plate throughput	95 plates/h (landscape 1030 x 790 mm)

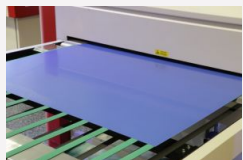
Water for chemistry dilution	Total hardness < 6° dH
<ul style="list-style-type: none"> • Temperatures 	<ul style="list-style-type: none"> • Developer: min.-max.: 20-28°C (68-82.4°F) • Dryer: min.-max.: 20-70°C (68-158°F)
Noise	70 dB
Physical specifications	
Dimensions (width, length)	1824 x 1172 mm (71.7" x 44.2")
Electrical specifications (EUR)	
EUR	Single-phase: 1W + N + PE - 230V / 15 Amps, 50/60 Hz
USA	Single-phase: 2W + PE 208-230V / 15 Amps, 50/60 Hz
Power	2.7 kWatt (9213 BTU)
Compliance	
Approvals	CE standards – cTÜV – US certification
Options	
Accessories	Feed table / Exit table / Drip tray
Interface for platesetters	<ul style="list-style-type: none"> • Included for all Agfa Graphics platesetters • Optional for third-party platesetters

Processor	Arkana 150
Plates	Energy Elite Eco
Plate type	Positive-working, digital thermal offset plate
Plate width, min.-max.	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	150 cm/min (59"/min)
Plate throughput	80 plates/h (landscape 1030 x 790 mm) 49 plates/h (portrait 1524 x 1143)
Water for chemistry dilution	Total hardness < 6° dH
<ul style="list-style-type: none"> • Temperatures 	<ul style="list-style-type: none"> • 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)	2074 x 1172 mm (81.7" x 44.2")
Electrical specifications (EUR)	
EUR	Single-phase: 1W + N + PE - 230V / 15 Amps, 50/60 Hz
USA	Single-phase: 2W + PE 208-230V / 15 Amps, 50/60 Hz
Power	2.7 kWatt (9213 BTU)
Compliance	
Approvals	CE standards – cTÜV – US certification
Options	

Accessories	Feed table / Exit table / Drip tray
Interface for platesetters	<ul style="list-style-type: none">• Included for all Agfa Graphics platesetters• Optional for third-party platesetters

Available in EMEA region from January 2017 and other regions, please check with your local Agfa representative.



Energy Elite Eco

Ready for the next generation of no-bake, long-run thermal printing plates? Energy Elite Eco has it all: an even higher run length, photorealistic imaging quality and advanced ECO³ features.

[READ MORE](#)



Goekint Graphics – “Environmental friendliness is becoming increasingly important”

At commercial printing company Goekint Graphics, innovation and sustainable entrepreneurship are key elements. In May 2016, the company invested in Agfa Graphics’ Arkana smart plate processing technology in combination with the new Energy Elite Eco printing plates.

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