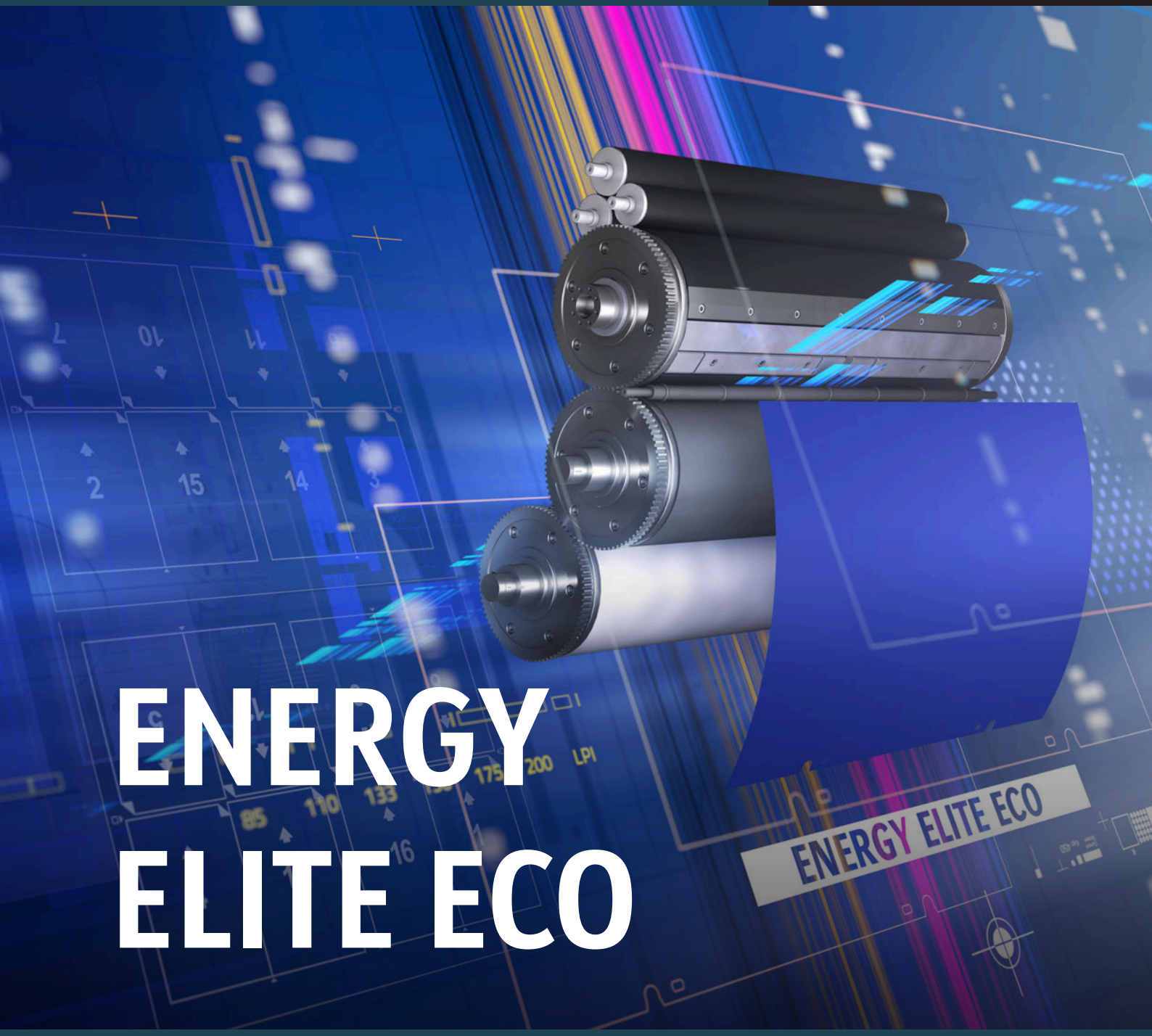

ENERGY ELITE ECO

Robust, no-bake thermal printing plate for run lengths of up to 600,000 for both sheetfed and webfed applications

Even in harsh environments, Energy Elite Eco does not compromise when it comes to premium, photorealistic imaging quality. It sets new standards regarding productivity, sustainability, economy and convenience. Energy Elite Eco is part of ECO3's fully integrated prepress solutions that come complete with CtP, processor, screening technologies and workflow software.

YOU PRINT. WE CARE.

Reduced ecological footprint

Energy Elite Eco is designed with a strong dedication to ecology, economy and extra convenience. Combined with standard thermal processors, the printing plate effects a 25% decrease in waste production and chemicals used. Its clean chemistry allows for a longer bath life and easier processor maintenance. Processors can simply be cleaned without harsh chemicals. Combined with the Arkana smart processor, the plate achieves an even more efficient use of chemicals, further limiting the production of waste and eliminating the use of rinse water.

Supreme, photorealistic imaging quality

The Energy Elite Eco thermal plate enables you to create durable, photorealistic images with 340 lpi Sublima and FM10 screening technologies. It offers consistent quality printing at 1-99% dot resolution without dot loss. The Energy Elite Eco technology enables a wide press latitude in both sheetfed, heatset and UV packaging printing, ensuring excellent lithographic performance, fast restarts, low dampening levels, and a stable ink-water balance. Also guaranteeing quick roll-up, Energy Elite Eco enables you to achieve results faster while producing less waste.

PLATE CHARACTERISTICS	
Plate type	Positive-working, digital thermal offset plate
Substrate	High-quality grained and anodized aluminum
Spectral sensitivity	830 nm thermal
Energy	90 mJ/cm^2
Platesetter compatibility	Accredited for most common 830 nm platesetters
Plate sizes	Length: 450-2080 mm - Width: 480-1590 mm
Image contrast	Excellent. The plates can be measured with all available densitometers and plate readers.
Resolution	ABS: 1-99% at 200 lpi at 2400 dpi Sublima: 1-99% at 340 lpi at 2400 dpi FM: 10 µm
Gauges	0.15, 0.20, 0.24, 0.30, 0.35 and 0.40 mm (0.006, 0.008, 0.010, 0.012, 0.014 and 0.015")
Run length	Up to 600,000, Up to 150,000 with UV-inks

PROCESSING	Arkana smart processing unit	Conventional thermal processor
Developer	Arkana developer & replenisher	THD300 developer & THR300 replenisher
Rinse water	Not applicable	Standard
Gum	Arkana gum	RC795, RC795-A, Unifin Plus, ANTURA MAM1
Bath life	15,000 m^2	15,000 m^2
Replenishment	10 ml/m^2 and 8 ml/h	40 ml/m^2 and 40 ml/h (depending on the processor)

ENVIRONMENT	
Room lighting	Daylight
Room conditions (T, RH)	18-24 °C (64-75 °F), < 70% RH
Storage conditions	Below 32 °C (90 °F), < 70% RH

ECO3 OPTIMIZED PRESSROOM SUPPLIES	
Plate cleaner	ANTURA CtP Plate Cleaner
Washout gum	ANTURA CleanGum
Machine finisher	Unifin Plus
Baking gum	RC510
Fountain solutions	Energy Elite Eco is compatible with all ECO3 fountain solutions
IPA	ANTURA IPA 100
Roller and blanket washes	Energy Elite Eco is compatible with all ECO3 roller and blanket washes

ECO3.com ECO3 is committed to continuous innovation that targets ecology, economy and extra convenience. Our solutions are designed to deliver higher productivity, lower costs and greener outcomes.

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