



ENERGY ELITE

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Advanced no-bake thermal plate

Energy Elite is fully compatible with UV and metallic inks and eliminates the need for baking, saving you on space and energy. It achieves runs up to 350,000 and in harsh environments up to 100,000 copies. Energy Elite plates work seamlessly with all leading 830 nm thermal CtP systems. When paired with Energy Elite developer, it guarantees a long bath life, minimal chemical usage and clean processing. Energy Elite is part of ECO3's fully integrated prepress solutions that come complete with CtP, processor, screening technologies and workflow software.

YOU
PRINT.
WE
CARE.

Excellent print quality

Energy Elite is a positive-working printing plate that's daylight-safe and boasts excellent image contrast. It offers you a 1 to 99% imaging capability at 200 lpi. The use of ECO3's Flat Substrate Technology guarantees the widest latitude on press without compromising on performance. This yields low dampening levels, stable ink/water balance and excellent lithographic performance on press, including fast start-ups, even after press stop-downs.

Save space and energy

Energy Elite's double-layer technology uses a highly chemical-resistant second layer for long-run performance without the need for post-baking. This results in a significant reduction of costs and energy consumption. The Energy Elite Developer system assures long chemistry bath life and minimizes processor cleaning.

PLATE CHARACTERISTICS	
Plate type	Positive-working, digital thermal offset plate
Substrate	High-quality grained and anodized aluminum
Spectral sensitivity	830 nm thermal
Energy	115 mJ/cm ²
Platesetter compatibility	Accredited for all 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 280 lpi at 2400 dpi
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 0.016")
FM	20 µm
Run length	Up to 350,000 (conventional UV inks: 100.000)
PROCESSING	
Developer	Energy Elite Developer
Replenishment rate	50-80 ml/m ² and 50-80 ml/h
Bath life	4000 m ²
Processor	All thermal plate processors
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 is compatible with all ECO3 fountain solutions
IPA	ANTURA IPA 100
Roller and blanket washes	Energy Elite is compatible with all ECO3 roller and blanket washes