



ENERGY ELITE PRO

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The next-generation no-bake thermal plate

With a focus on delivering consistent print quality, high productivity and efficiency, Energy Elite Pro is a suitable solution for a wide range of commercial and packaging applications. Energy Elite Pro can achieve runs of up to 400,000 and, in harsh environments (e.g. UV and metallic inks), up to 150,000 copies without baking. For even longer runs, Energy Elite Pro can be baked.

YOU
PRINT.
WE
CARE.

No-bake technology

The double-layer coating technology gives Energy Elite Pro its robust properties. Its chemical resistance makes using fountain solutions for alcohol-free and alcohol-reduced printing, as well as UV inks, easy, even without baking.

Exceptional print quality and speed

Energy Elite Pro consistently delivers exceptional print quality thanks to its support for screening technologies such as Sublima, CristalRaster III stochastic screening and the groundbreaking SPIR@L screening. The plate's high

sensitivity ensures maximum productivity, making it an ideal choice even for the latest high-speed platesetters.

Lower chemistry consumption

To complement Energy Elite Pro, we offer THD200 developer and THR200 replenisher. These solutions are specifically tailored to prolong bath life and reduce chemistry consumption by up to 20%. The low-maintenance processor can be easily cleaned with standard tap water, simplifying the cleaning process. Your printing operations just got easier and more efficient with Energy Elite Pro.

PLATE CHARACTERISTICS	
Plate type	Positive-working, digital thermal offset plate
Substrate	High-quality grained and anodized aluminum
Spectral sensitivity	830 nm (thermal laser diode)
Practical sensitivity	100 mJ/cm ²
Platesetter compatibility	Compatible with 830 nm platesetters
Image contrast	Excellent, can be measured with all available densitometers and plate readers
Plate sizes & gauges	Most common plate sizes & gauges
Resolution (depending on platesetter)	ABS: 1-99% at 200 lpi at 2400 dpi Sublima: 1-99% at 340 lpi at 2400 dpi FM 20 µm
Run length (depending on press conditions)	Up to 400,000 and up to 150,000 (UV ink) Baking will improve the runlength under specific circumstances
PROCESSING	
Developer	THD200 Developer & THR200 Replenisher
Rinse water	Standard
Gum	Unifin Plus
Bath life	5000 m ²
Replenishment	50-70 ml/m ² and 50-80 ml/h
ENVIRONMENT	
Light conditions	Limited daylight
Room conditions (T, RH)	18-24 °C (64-75 °F), < 55% 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 solution	Energy Elite Pro is compatible with all ECO3 fountain solutions
IPA	ANTURA IPA 100
Roller and blanket washes	Energy Elite Pro is compatible with all ECO3 roller & 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.