



Energy Elite Pro

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Overview

Energy Elite Pro is the next-generation no-bake thermal plate. It offers consistent printing quality, high productivity and lower chemistry consumption. And it combines all that with run lengths up to 400,000 copies – in aggressive environments (e.g. UV and metallic inks) up to 150,000 copies. For even longer runs, Energy Elite Pro can be baked.

Its chemical resistance makes the use of fountain solutions for alcohol-free and reduced-alcohol printing easy, even without baking. Its unique developer and replenisher, specifically designed for Energy Elite Pro, additionally ensure longer bath life and easy cleaning. Raise productivity while reducing your ecological footprint.

Related Information

Related Products

[Energy Elite](#)

[Energy Xtra](#)

[Thermostar P970](#)

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[Energy Elite Pro Datasheet](#)

[THD200 Developer Technical Infosheet](#)

[THR200 Replenisher Technical Infosheet](#)

Key Benefits

- No need to bake, saving you space, time and energy
- Reliable result through robust double-layer technology
- Run lengths up to 400,000 and under UV printing conditions still 150,000 copies
- Fully operational in office light
- Up to 20% faster than Energy Elite, and up to 20% lower chemistry use

Features

No-bake Technology

The double-layer coating technology gives Energy Elite Pro its robust properties. The second layer ensures high chemical resistance. Therefore Energy Elite Pro performs flawlessly in high-speed platesetters and is compatible with UV and metallic inks, even without baking.

Energy Elite can achieve runs up to 400,000 and in harsh environments (e.g. UV and metallic inks) up to 150,000 impressions without baking (depending on the platesetter).

Durable High-Quality Imaging

Energy Elite Pro is office light-safe. This positive thermal plate provides durable, high-quality imaging. The innovative double-layer technology delivers 1 to 99% dot resolution at 200 lpi.

Exceptional Print Quality

With FM or Sublima high-screen ruling, Energy Elite Pro always delivers exceptional quality. The new double-coating formula ensures a sharp dot throughout the run.

Technical Specs

Plate characteristics

Plate type	Positive-working, 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 all 830 nm platesetters
Image contrast	Excellent, can be measured with all available densitometers and plate readers
Plate sizes	Length: 450-2080 mm width: 480-1590 mm
Resolution (depending on platesetter)	<ul style="list-style-type: none"> • ABS: 1-99% at 200 lpi at 2400 dpi • Sublima: 1-99% at 340 lpi at 2400 dpi • FM 20 μm
Gauges	0.15 mm, 0.20 mm, 0.24 mm, 0.30 mm, 0.35 mm, and 0.40 mm (0.006", 0.008", 0.010", 0.012", 0.014" and 0.016")
Run length	400,000 (UV inks: 150.000)

Processing

Developer	THD200 developer (THR200 replenishment)
Replenishment rate	50-70 ml/m ² and 50-80 ml/h
Bath life	5000 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

Availability

North America

Available in this region

South America

Available in this region

Europe

Available in this region

Asia

Available in this region

Africa

Available in this region

Oceania

Available in this region