



# 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 <sup>2</sup>  |
| 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<br>Sublima: 1-99% at 280 lpi at 2400 dpi<br>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 <sup>2</sup> and 50-80 ml/h  |
| Bath life                         | 4000 m <sup>2</sup>   |
| 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                        | ANTURA Baking Gum   |
| 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                        |