

High performance, no-bake thermal plate

:Energy Elite



Advanced no-bake thermal plate technology

Agfa's :Energy Elite is a new thermal plate designed for today's press environments; offering full compatibility with alcohol free and alcohol replacement founts, as well as UV inks, without the need for baking, thereby saving energy and cost. :Energy Elite can achieve runs of up to 500,000 and in harsh environments (e.g. UV and metallic inks) up to 150,000 copies, whilst its baking capability allows these run lengths to be further increased by 50-100%. The plate is fully compatible with all the major 830nm thermal platesetters and its very high sensitivity enables maximum productivity thus supporting very high plate throughput and, in some situations, extending thermal laser life. The plate system uses its own dedicated :Energy Elite developer, which, along with its replenisher, ensures a long bath life, low chemistry consumption and clean processing.



:Energy Elite won the 2007 PIA/GATF InterTech™ Technology Award.

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:Energy Elite no-bake technology

:Energy Elite's durable, long run press performance is due to its double-layer coating technology. The use of the highly chemical-resistant second layer enables long run performance without the need for post baking. It is compatible with UV and metallic inks and performs well with alcohol substitute founts. However, it can be baked to further increase its run length by 50 – 100%. Therefore, :Energy Elite is a robust plate, suitable for a wide range of commercial and packaging applications.

:Energy Elite. High quality imaging

:Energy Elite is a positive working plate with very high image contrast and is daylight-safe. Agfa's advanced double-layer coating technology gives :Energy Elite a 1-99% imaging capability at 200 lpi. It is also capable of FM and :Sublima 280 imaging to deliver printed results of stunning quality.

:Energy Elite. No compromise on press

The use of Agfa's Flat Substrate Technology guarantees the widest latitude on press without compromising performance. This ensures fast start-up, low dampening levels, stable ink/water balance and excellent lithographic performance on press, including fast re-start after press stop-downs.

:Energy Elite. Long run, no-bake thermal plate.

:Energy Elite gives a robust, dependable press performance under a wide range of aggressive press conditions, without the need to post-bake. By eliminating the pre-heat and post-bake requirements of the 1st Generation thermal plates, :Energy Elite significantly reduces costs and energy consumption. The highly sensitive plate emulsion gives consistent, high quality imaging and will tolerate variations in exposure and processing conditions without significant changes to the printed result. The :Energy Elite Developer system assures long chemistry bath life and reduces processor cleaning.



Plate Specifications

Sensitivity	120mJ/cm ²
Resolution	1-99% at 200 lpi. FM and :Sublima 280 lpi capable ⁽¹⁾
Developer	:Energy Elite Developer & Replenisher
Replenishment rate	80-100mls/m ² , plus hourly top-up of 60-100 mls
Substrate	High quality grained and anodised aluminium using Agfa's Flat Substrate Technology
Run length ⁽²⁾ unbaked	Up to 500,000 and up to 150,000 (UV ink) Baking can double these figures
Processors	Compatible with all major thermal plate processors

⁽¹⁾ depending on platesetter

⁽²⁾ depending on press conditions and job content

Agfa's Optimised Gums and Pressroom Chemicals

Plate Cleaner	:Thermokleen
Washout Gum	:Kleergum Plus
Machine Finisher	:RC795, :Unifin
Baking Gum	:RC510
Desensitizing Agent	:Plate Etch Plus
Fountain Solution	:Energy Elite is compatible with all Agfa fountain solutions
Roller and blanket washes	:Energy Elite is compatible with all Agfa roller and blanket washes

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