

ENERGY VERVE

Negative working, pre-heat, photopolymer offset printing plate



A smarter solution for web printers

Energy Verve has it all: run lengths **up to 1 million copies without baking**, combined with both **process** and **cost efficiency**. This robust offset printing plate is the perfect choice in highly demanding and abrasive conditions such as heat-set and cold-set web with oxidative and UV inks.



Convenience in prepress

Getting rid of your baking oven means

- **Up to 50% saved on energy consumption** compared to conventional post-baked plates
- **No more plate remakes** due to plate waviness or cracking
- **A reduction of service costs up to 65%**
- **A smaller footprint** compared to a configuration with a post-bake oven

In addition, Energy Verve guarantees greater efficiency as its highly sensitive and non-ablative photopolymer layer maximizes plate throughput.

Performance on press

Energy Verve is the right product for heat-set web (e.g., magazines and retail), cold-set web (e.g., newspapers and books), and packaging & commercial sheet-fed with abrasive print conditions.

Energy Verve offers the following benefits:

- Up to 1 million copies without post-baking thanks to its exceptional chemical and mechanical resistance
- An excellent ink/water balance thanks to the deeply grained substrate, resulting in stable printing conditions and significantly less web breaks – and therefore higher productivity
- High-resolution imaging capability for top-quality printing up to 200 lpi



ECO³ – More value for your entire business

Energy Verve is part of Agfa's ECO³ approach, bringing you ecology, economy, and extra convenience in the shape of solutions that make your prepress and printing operations cleaner, more cost-effective and easier to manage and maintain.

ECO³ is supported by a powerful combination of software packages. **PressTune** is press standardization software that gives print houses complete control over the entire printing process, leading to a reduction in paper waste and make-ready time.

It also creates the ideal environment for **InkTune** to achieve significant ink savings.

On top of these two packages, the revolutionary **SPIR@L** screening technology lets you save even more ink while also boosting image quality.

The ultimate result?

More value for your entire business!

TECHNICAL SPECIFICATIONS

Plate characteristics

Plate type	Negative-working, pre-heat, digital thermal photopolymer offset plate
Substrate	High-quality grained and anodized aluminum
Spectral sensitivity	830 nm (thermal laser diode)
Practical sensitivity	90 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	Most common plate sizes
Resolution (depending on platesetter)	• ABS: 1-99% at 200 lpi at 2400dpi • FM 25 µm
Gauges	Most common plate gauges
Run length (depending on press conditions)	Up to 1,000,000 (UV inks: 300,000)

Processing

Developer	PL10 developer PL10Ri replenisher
Rinse water	Standard
Gum	Unifin
Bath life	Up to 6 weeks (up to 2,500 m ²)
Replenishment	50 ml/m ² and 50ml/h

Environment

Room lighting	Limited daylight
Room conditions (T, RH)	18-24 °C (64-75 °F), < 55% RH
Storage conditions	Below 32 °C (90 °F), < 70% RH

PRESSROOM CHEMICALS

Plate correction pen (for unbaked plates)	Reviva Plate Pen	
Plate cleaner	Standard	ANTURA CtP Plate Cleaner, ANTURA UV plate Cleaner
	Cleaning gum	ANTURA CleanGum
Fountain solutions	Sheetfed	Antura fount AFS2, Prima FS404 AS, Prima FS605
	Heatset	Antura fount HS Plus
	Coldset	ANTURA fount CS2 Plus
	Rehardener	RC611
	Rehardener for reverse osmosis water	ANTURA water conditioner
Roller and blanket washes	Xtrawash Plus 40 & 60, Antura Wash WEB	

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