



# ENERGY VERVE

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## 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.

YOU  
PRINT.  
WE  
CARE.

## Convenience in prepress

Getting rid of your baking oven means:

- Up to 50% saving on energy consumption compared to conventional post-baked plates
- No more plate remakes due to plate waviness or cracking
- A reduction of service costs by 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

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 <sup>2</sup>
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 2400dpi FM 25 µm
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 Plus
Bath life	Up to 6 weeks (up to 2,500 m <sup>2</sup> )
Replenishment	50 ml/m <sup>2</sup> 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
ECO3 OPTIMIZED PRESSROOM SUPPLIES	
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	Energy Verve is compatible with all ECO3 fountain solutions
Roller and blanket washes	Energy Verve is compatible with all ECO3 roller and 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.