



ADAMAS

A robust chem-free printing plate with outstanding performance for packaging and commercial print jobs

Unique in its class, Adamas is a non-ablative chem-free printing plate that provides high output and outstanding press performance. This plate covers an extensive range of demanding commercial, heatset and packaging printing applications.

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Razor-sharp results

When you opt for Adamas, you opt for a high-contrast plate with photorealistic image quality up to 240 lpi Sublima screening, depending on your platesetter. Adamas is durable and low-maintenance thanks to its protective layer, which prevents oxidation and eliminates ablation.

Optimal convenience

While Adamas' robust and scratch-resistant surface allows easy handling, its strong image contrast supports simple visual inspection and quality control, ensuring plates are mounted on the press correctly.

Productivity made simple

Adamas combines fast, accurate and wide-latitude plate exposure with simple processing and robustness. It allows for conventional and H-UV/LED-UV printing and can handle even abrasive substrates like boards. Its highlight dots are tough enough to offer a high-quality press performance, even on the longest press runs.

Take ecology to the next level

Unlock the plate's full potential with the compact Adamas clean-out units. Their dual-gum cascade system has a bath life of 16.000 m² and requires no rinse water. Waste is reduced by up to 80% compared to conventional systems.

PLATE CHARACTERISTICS	
Plate type	Chemistry-free negative-working offset plate using ThermoLink technology
Substrate	High-quality grained and anodized aluminum
Spectral sensitivity	830 nm thermal
Energy	90 mJ/cm ²
Platesetter compatibility	Accredited for most common 830 nm platesetters
Image contrast	Excellent. The plates can be measured with all available densitometers and plate readers.
Plate sizes	All common plate sizes
Gauges	0.15-0.40 mm (0.006-0.016")
Resolution	Sublima 240 lpi @ 2400 dpi, SPIR@L screening
Run length	Up to 350,000, Up to 75,000 in UV
CLEANING OUT	
Clean-out gum	Adamas Pro gum
Replenishment rate	35ml/m ² or 20 ml/h
Bath life	16,000 m ²
Finisher	RC795A
Clean-out unit	Adamas 85 COU, Adamas 125 COU and Adamas 150 COU
ENVIRONMENT	
Light conditions	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 correction pen (for unbaked plates)	Polymer deletion pen
Scratch remover	Reviva Plate
Plate cleaner	Standard: ANTURA CtP Plate Cleaner UV: ANTURA UV PL CLEANER Dual purpose gum: ANTURA CleanGum
Fountain solutions	Adamas is compatible with all ECO3 fountain solutions
Rehardener	For RO water: ANTURA water conditioner
Roller and blanket washes	Adamas is compatible with all ECO3 roller and blanket washes



AZURA TU

Chem-free plate for high-volume offset printing

Designed for sheet-fed printing, Azura TU simplifies plate making, delivers uncompromising quality and is easy on the environment.

Azura TU is a true chemistry-free plate that can handle print runs up to 150,000 copies. Based on ECO3's award-winning ThermoFuse™ technology, Azura TU outperforms every other plate in its class. If you insist on delivering the ultimate quality, want to reduce time to press dramatically, and are concerned for the environment, then Azura TU is the plate system for you.

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Unlimited printing

Azura TU puts the power of chemistry-free production into the hands of the most demanding sheet-fed commercial printers. With the ability to achieve run lengths of up to 150,000 copies using a single plate, Azura TU ensures exceptional print quality, maintaining sharpness even at screen rulings of up to 280 lpi with Sublima screening.

Easier handling

Enjoy the convenience of daylight operation with Azura TU; its robust, scratch-resistant surface provides easy handling. The plate's strong image contrast enables straightforward visual inspection and quality control, ensuring that plates are mounted on press in the right order.

Better for the environment

The Azura CX COU completes platemaking with a simple clean-out step, eliminating the need to manage various processing variables like temperature or conductivity. This results in a stable and consistent image quality. An extremely long gum bath life of up to 7,000 m² reduces equipment maintenance to an absolute minimum. Moreover, the time spent on cleaning is by no means comparable to that of conventional thermal processors, as a simple water flush is all that is required. But there's more – transitioning from conventional thermal processing to Azura TU equals water savings exceeding 95%. Less water usage translates to reduced waste, making it a win-win for both your printing operations and the environment.

PLATE CHARACTERISTICS	
Plate type	Negative-working, chemistry free-ThermoFuse™ offset plate
Substrate	High-quality grained and anodized aluminum
Spectral sensitivity	830 nm (thermal laser diode)
Practical sensitivity	160 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 & gauges	Standard sheet-fed and web sizes
Resolution (depending on platesetter)	Sublima: 1-99 % at 280 lpi at 2400 dpi FM 20 (CristalRaster) at 2400 dpi
Run length (depending on press conditions)	Up to 150,000 dependent on press conditions Up to 10,000 with UV inks
PROCESSING	
Clean-out gum	Azura TU gum plus
Bath life	up to 7000 m ²
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 cleaner	ANTURA CtP plate cleaner
Overnight plate cleaner	ANTURA clean gum
Deletion pen	KP010 – KP011 – KP012
Scratch remover	Reviva plate
Fountain solution	Azura TU is compatible with all ECO3 fountain solutions
IPA	ANTURA IPA 100
Roller and blanket wash	Azura TU is compatible with almost all ECO3 roller and blanket washes

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ECLIPSE

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The most convenient process-free printing plate

Looking for an offset printing plate that combines the benefits of process-free technology with effortless printing? Eclipse provides it all: great image contrast, high scratch resistance and excellent office-light stability.

Eclipse eliminates the need for a processor/clean-out unit, saving you money, maintenance time and floor space. In addition, Eclipse is just as easy to use as a conventional offset plate, combining press purity with superior and stable image contrast and excellent scratch resistance. And it is flexible too, as it can be used with either conventional or UV inks.

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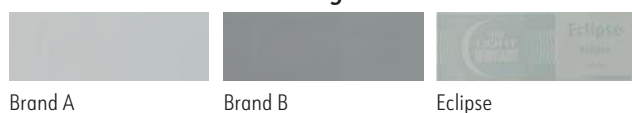
Superior and stable image contrast

Eclipse features a superior and stable image contrast, enabling quick visual image inspection, as well as recognition by punch & bending systems. Even after a week of storage, there will be no mix-ups on press or costly plate remakes.

Office-light stability

Eclipse keeps its great contrast even after 24 hours in office light, which makes an enormous difference compared to the two hours of other process-free plates. During this period, print quality will be fully preserved in terms of dot gain, toning, start-up time...

Contrast after 24h of office light



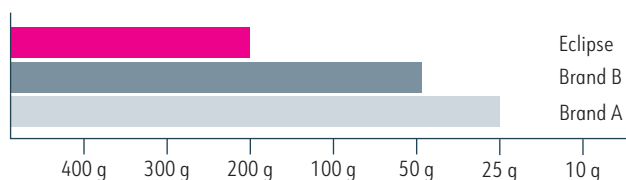
Brand A

Brand B

Eclipse

Excellent scratch resistance

Eclipse is highly resistant to scratches, which means you can handle the plate without worrying about damaging it. As plates don't get scratched, they won't need to be remade either - gaining you time.



Keeps your press clean

Thanks to Eclipse's patented process-free technology, the coating of the plate gets transferred to the first few printed sheets - instead of to the fountain, ink or rollers, as is the case with other process-free printing plates. In addition, Eclipse gives you quite some leeway in terms of maintenance, founts or start-up procedure.

PLATE CHARACTERISTICS

Plate type	Negative-working thermal photopolymer offset plate
Substrate	High-quality grained and anodized aluminum
Spectral sensitivity	830 nm (thermal laser diode)
Practical sensitivity	110-130 mJ/cm ²
Platesetter compatibility	Compatible with 830 nm platesetters
Image contrast	Excellent and stable
Plate sizes & gauges	All common plate sizes & gauges
Resolution (depending on platesetter)	XM 240lpi @2400 dpi: 1-99% (depending on platesetter) FM 25
Run length (depending on print conditions)	Up to 200,000 (UV inks: 50,000)

ENVIRONMENT

Room lighting	Office light
Room conditions (T, RH)	18-24 °C (64-75 °F), < 65% RH
Storage conditions	Below 32 °C (90 °F), <70% RH

ECO3 OPTIMIZED PRESSROOM SUPPLIES

	Oxidative	(Low-power curing)-UV
Plate cleaner	ANTURA CtP Plate Cleaner	ANTURA UV PL Cleaner
Fountain solution	Eclipse is compatible with all ECO3 fountain solutions	
Roller and blanket wash	Eclipse is compatible with all ECO3 roller and blanket washes	
Correction material	Process-free deletion pen	
Pressroom specialties	ANTURA contrast enhancer	

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ENERGY ELITE PRO

ENERGY ELITE PRO

The next-generation no-bake thermal plate

With a focus on delivering consistent print quality, high productivity and efficiency, Energy Elite Pro is a suitable solution for a wide range of commercial and packaging applications. Energy Elite Pro can achieve runs of up to 400,000 and, in harsh environments (e.g. UV and metallic inks), up to 150,000 copies without baking. For even longer runs, Energy Elite Pro can be baked.

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No-bake technology

The double-layer coating technology gives Energy Elite Pro its robust properties. Its chemical resistance makes using fountain solutions for alcohol-free and alcohol-reduced printing, as well as UV inks, easy, even without baking.

Exceptional print quality and speed

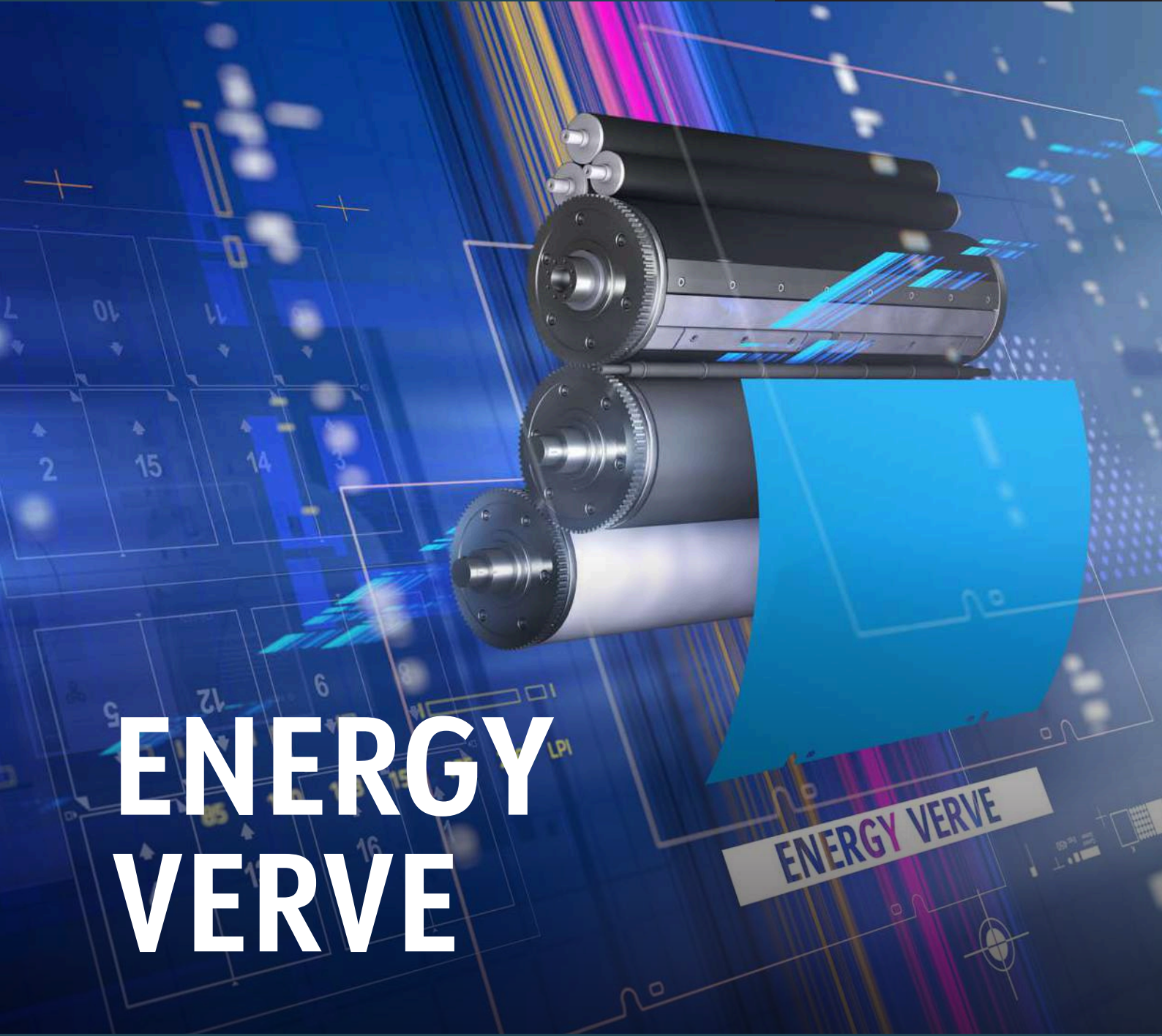
Energy Elite Pro consistently delivers exceptional print quality thanks to its support for screening technologies such as Sublima, CristalRaster III stochastic screening and the groundbreaking SPIR@L screening. The plate's high

sensitivity ensures maximum productivity, making it an ideal choice even for the latest high-speed platesetters.

Lower chemistry consumption

To complement Energy Elite Pro, we offer THD200 developer and THR200 replenisher. These solutions are specifically tailored to prolong bath life and reduce chemistry consumption by up to 20%. The low-maintenance processor can be easily cleaned with standard tap water, simplifying the cleaning process. Your printing operations just got easier and more efficient with Energy Elite Pro.

PLATE CHARACTERISTICS	
Plate type	Positive-working, digital 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 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 2400 dpi Sublima: 1-99% at 340 lpi at 2400 dpi FM 20 µm
Run length (depending on press conditions)	Up to 400,000 and up to 150,000 (UV ink) Baking will improve the runlength under specific circumstances
PROCESSING	
Developer	THD200 Developer & THR200 Replenisher
Rinse water	Standard
Gum	Unifin Plus
Bath life	5000 m ²
Replenishment	50-70 ml/m ² and 50-80 ml/h
ENVIRONMENT	
Light conditions	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 cleaner	ANTURA CtP Plate Cleaner
Washout gum	ANTURA CleanGum
Machine finisher	Unifin Plus
Baking gum	RC510
Fountain solution	Energy Elite Pro is compatible with all ECO3 fountain solutions
IPA	ANTURA IPA 100
Roller and blanket washes	Energy Elite Pro is compatible with all ECO3 roller & blanket washes



ENERGY VERVE

ENERGY VERVE

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.

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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 ²
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 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
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

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