



AZURA

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.

YOU
PRINT.
WE
CARE.

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

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.