



# AVATAR V-ZH

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**Robust chemistry-free violet printing plate for newspapers, which requires zero heat for plate production**

Avatar V-ZH is a stable and linear plate that streamlines your production process, as it lowers maintenance and energy consumption in prepress and reduces waste and start-up time during make-ready. It is part of ECO3's fully integrated newspaper prepress solutions that come complete with CtP, clean-out unit (COU), printing plates, screening technologies and Arkitex workflow software.

YOU  
PRINT.  
WE  
CARE.

## A perfectly clean plate with a clear image at high speed

Avatar V-ZH plates form a very attractive solution combined with the high-volume plate production system Advantage N and the high-speed clean-out unit Attiro ZH. The latter features a groundbreaking cascade technology, enhancing productivity and sustainability.

Attiro ZH is characterized by minimal gum consumption for maximal clean-out effect. Its extensive bath life results in lower maintenance, while cleaning is easy and fast. A completely flat plate transport means you'll get no buckling of plates between rollers.

## Durable substrate

Avatar V-ZH plates provide a solid foundation for consistent press performance. Advanced electrochemical graining and anodizing yield the reliability and robustness needed on a

newspaper press and the durability required for long press runs. The plate is UV-capable for semi-commercial and special applications.

## Imaging & processing principle

This preheat-free chemistry-free plate works with all violet newspaper CtP units. During exposure, the violet-laser diode starts the polymerization of the image area. Subsequently, the plate is gummed with a dedicated plate gum, which removes the soft, unexposed non-image areas in an easy and clean way. Finally, the plate is cured by a LED bar close to the drying section.

## High performance on press

With its high contrast, a quick visual check will quickly reveal possible errors. Avatar V-ZH combines fast, accurate and wide-latitude plate exposure with predictable, consistent, linear performance on press throughout the print run.

PLATE CHARACTERISTICS		
Technology	Negative-working, high-speed, preheat-free, chemistry-free violet-laser offset plate	
Coating	Photopolymer	
Substrate	Electrochemically grained and anodized aluminium	
Spectral sensitivity	405 nm violet-laser diode	
Platesetter compatibility	Most violet platesetters	
Plate sizes	All newspaper sizes, single and broadsheets	
Gauges	0.20, 0.30 mm	
Resolution	2-97 % at 130 lpi for ABS 0.5-99.5 % at 180 lpi for Sublima	
Run length	Up to 150,000 Up to 70,000 for UV inks	
ENVIRONMENT		
Light conditions	Yellow	
Room conditions (T, RH)	Operating temperature 21-25 °C / Relative humidity 40 - 60 %	
Storage conditions	Temperature: < 30°C (86°F) / Relative humidity: 40 - 60 %	
ECO3 OPTIMIZED PRESSROOM SUPPLIES		
Gums	Violet CF Gum, Attiro Gum (for Attiro only)	
Plate cleaner	Standard Cleaning gum	ANTURA CtP Plate Cleaner ANTURA CleanGum
Fountain solution	Sheetfed & Heatset Coldset Rehardener	Not applicable ANTURA fount CS2-(s), ANTURA fount CS2-(s)-spray RC611
Roller and blanket wash	XTRAWASH Plus 40 & 60	
Correction material	Polymer deletion pen	
Rehardener	ANTURA Water Conditioner	