

AFP TOP

The premium flexo plate with “Pinning Top Dot” technology

Asahi's AFP – TOP is a premium digital flexo plate giving the printer a wide colour space with vibrant colour reproductions and soft tonal shades fading out to zero.

Asahi's AFP – TOP incorporates the “Pinning Top Dot” Technology, which allows a kiss touch printing pressure setting with constant repeatability of printing quality during the production run.

The “Pinning Technology” is also reducing the ink filling-in in the mid-tone area over the printing run leading to fewer cleaning intervals and press stop downtimes for the printer. Asahi's AFP – TOP plate was developed for the high quality film printing application using solvent based inks with the objective of transferring printing jobs from other printing technologies to flexography. The Asahi's AFP – TOP plate is a product solution, which can easily be fitted into existing customer environments without the need of additional machine investment. This flexibility enables the customer to react to changing market needs and keeping their business environment sustainable.

The Asahi's AFP – TOP is compatible with many of the recent high definition screening and microcell patterning technologies.



The product advantages in detail:

- ▶ High resolution image and printing performance
- ▶ Finest and soft tonal gradation fading out to zero
- ▶ Wide printed colour gamut due to low dot gain and enhanced ink transfer
- ▶ “Pinning Top Dot” Technology” enabling a superior ink transfer
- ▶ High printing performance with solvent and water based ink on film or coated paper substrate
- ▶ Reduced ink filling-in in mid-tone printing leading to less press cleaning stops
- ▶ Kiss touch printing pressure setup giving increasing plate life time
- ▶ Consistent printing quality over the production run due to “Pinning Top Dot” Technology
- ▶ System compatibility with recent screening and microcell technologies.

	TOP 1.14 mm	TOP 1.70 mm
Shore A Hardness	77	69
Application	Film & coated paper	
Ink recommendation	Solvent and water based inks	
Resolution digital	200 lpi / 1-95%	200 lpi / 1-95%
Isolated line / μ	80	80
Isolated dot / μ	150	150

The AFP – TOP digital flexo plates can be produced in all Asahi AFP processing systems or corresponding processing equipment.

The plate is exposed on the back to produce the desired relief depth and achieve maximum sensitivity to UV light. After removal of the protective film, the black mask layer is imaged by a laser. Commonly available laser types are YAG, diode or fibre laser.

Then the plate is exposed, processed by a solvent wash process, dried and finished by UVA and UVC light to ensure the optimum properties of the print-ready plate.

AFP – TOP plates feature excellent compatibility with commonly used solvent - and water-based ink systems on smooth film and coated paper substrates.

After printing, the plates should be thoroughly cleaned.

Direct exposure to sunlight and heat during storage is to be avoided.