

**(Narrow Web)
High Opacity Colour**

- ✓ Rotary screen opaque colour flexo replacement
- ✓ No backing white required
- ✓ Maintain flexo press speed
- ✓ No expensive screen heads
- ✓ More efficient job changes than screen
- ✓ Cleaner option than screen



HOC (Narrow Web) – High Opacity Colour

Following the success of the HOW engraving the target was set to print a rotary screen equivalent for pantone colours. The HOC engraving is a modified version of the HOW format which we found better suited to the recommended inks. Working closely with key partners in the industry we developed our HOC engraving specifically designed to print heavy deposits of colour ink without a backing white.

The standard engraving style for depositing heavy amounts of ink is a conventional 30° engraving. The HOC far out performs that out dated format and is specifically designed in order to deal with the highly viscous ink recommended for the best results. Pin-holing and reticulation on the surface of the substrate are often issues when printers attempt to deposit large amounts of ink using conventional engravings. The flowing nature of the HOC engraving allows this viscous UV colour ink to evacuate from the cells with ease allowing a smooth lay of ink across the printing plate and thus removing the inherent issues of pin-holing that we have come to associate with printing heavy colour designs.

Further more the cell structure of the HOC engraving retains a good control element which allows the ink to displace itself smoothly on the surface of the substrate. The control element of the HOC engraving works in stark contrast to conventional engravings which have a propensity at these high volumes to simply flood the printing plate with little finesse leading to text filling-in and subsequent poor print results.

Other major benefits for the flexographic printer have been the efficiencies that are apparent when utilising this technology. There is no need to reduce the speed of your flexographic press in comparison to printing slowly with screen, in fact live production has shown that print quality can even be enhanced by evacuating more ink from the HOC cells. In addition the job changeovers are of course more efficient than with screen and the clean up operation is far less demanding.

Product	Specification	Supplier
Anilox	HOC Engraving Technology	Sandon Global
Ink	UVivid Flexo JD Colour	Fujifilm
Plate	Soft-Medium Durometer	Various
Tape	Medium-Hard	Various