Water-based inks have come a long way in recent years, and can provide excellent color and graphic quality in various packaging printing applications. As such, it is a viable alternative to solvent-based inks for many applications.

The use of water-based inks not only offers good printability and performance, it is environmentally beneficial as well, by avoiding the release of solvents into the atmosphere if there is no solvent recovery or VOC treatment system in place.

To meet the increasing demand for water-based ink systems suitable for printing on plastic films in China, Siegwerk China has developed a new range of water-based ink systems showing excellent results in many aspects, including high printing speeds of up to 400 m/min. The main focus of this development is to offer the market water-based ink systems showing excellent printing results whilst simultaneously meeting the technical demands of flexible packaging structures. The systems contain less than 5% Volatile organic compounds (VOC) and therefore meets even the most stringent requirements on VOC’s. Systems for lamination structures on OPP, PE, PET and OPA are available, as well as systems for surface print structures on OPP and PE.