

PRESSE RELEASE

Topic: Environmental protection, resources, sustainability and recycling economy

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Solvent Recovery for Flexographic Printing Presses

Alzenau-Germany, 12.06.2019. OFRU Recycling presents complete solvent recycling concepts for use with new or existing flexographic printing presses.

Flexographic printing presses are often equipped with an automatic cleaning system. For each printing press wash-up cycle, the cleaning system requires a certain amount of clean solvent. The need for cleaning solvents increases according to the number of color and different printing jobs. The operator is then necessarily required to consider cost-effective and efficient means to supply these solvents.

An expedient recycling concept for contaminated solvents is introduced to the printing market, consisting of the ASC-150 solvent recovery unit, combined with solvent storage tanks.

The ASC-150 has been successfully used for many years in packaging printing and continuously produces ethanol / ethyl acetate. The solvent recovery unit is supplied directly by the flexographic printing press. Two high-grade stainless steel 1000-litre tanks of approved design buffer the contaminated and recycled solvent mixture. Powered by an integrated, high-performance steam heating system, the ASC-150 is able to distill 200-400 litres of printing solvent per 8-hr shift. The entire recycling process is electronically monitored and provides for reliable operation with the flexographic printing presses. An optional nitrocellulose safety package is available for printing inks containing nitrocellulose. This provides for safe distillation of nitrocellulose-contaminated solvents.

Background: OFRU Recycling is one of the world's leading manufacturers of high-performance solvent treatment plants. The company with its headquarters in Alzenau near to Frankfurt has gained a worldwide reputation for its innovative solutions in environmental process engineering. For 40 years OFRU is regarded as a pioneer in the production of solvent distillation plants, which enable a high recovery of recyclable materials.