Retrofit thermal incinerators
EcoTNV and HighEcon

A clean sweep!
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At Koenig & Bauer, we are working continuously on innovations to further improve your printing and coating lines. With our upgrades you stay up-to-date with the latest technological developments. In that way you continue to decorate metal sheets to the highest standards.

The thermal drying of coated metal sheets requires a high level of energy input in order to generate the necessary amount of heat. Through drying the applied coatings a large amount of solvent is released into the exhaust air. Subsequently the contaminated air needs to be purified by applying suitable methods of exhaust air treatment.

The thermal incinerator systems EcoTNV and HighEcon have been exclusively developed by Koenig & Bauer MetalPrint. The unique concept is second to none in the industry. EcoTNV and HighEcon fully remove organic compounds from the exhaust air and transform these almost residue-free into the non-hazardous substances water and carbon dioxide. At the same time operating cost can be drastically reduced by heat and energy recovery.

The integrated EcoTNV system is especially developed for high-performance coating lines. The maximum energy savings are reached when running a solvent load of 50 kg/h or more. During ongoing production as well as during make-readies or stand-by the supplied amount of fresh-air is flexibly controlled in accordance with the effective solvent load. In consequence, only the actually required air flow needs to be heated. This special concept of air volume control guarantees maximum heat recovery. The energy efficiency of the unique HighEcon concept is unbeatable.

For the integrated EcoTNV system the supplied amount of fresh-air is permanently set in accordance with the maximum amount of solvent released into the exhaust air. The flexible high-performance heat exchanger is fully self-regulated in line with the respective production situation. In this way a significant reduction in gas consumption is ensured – even compared to drying ovens without air purification.

Our recommendation
Simply contact our experts to determine the potential savings of your coating line based on your individual production parameters.
We would be pleased to send you an individual offer quoting an attractive price.

For further information, please contact the service department at Koenig & Bauer MetalPrint by mail to: service-metalprint@koenig-bauer.com or by phone on: 0711 69971-300.