



# HighEcon / EcoTNV

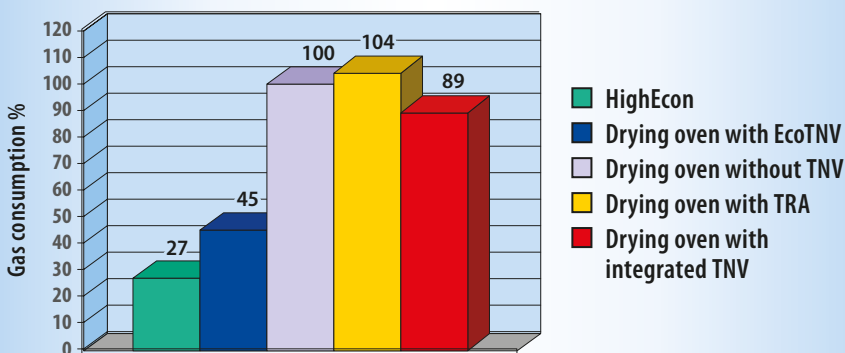
## Air Purification Systems

The HighEcon and EcoTNV systems are by far the most economical air purification systems for use on coating lines for metal packaging. Even when compared to installations with no air pollution control equipment, both systems achieve a dramatic reduction in gas consumption under normal production conditions with typical changeover patterns. This means that, in addition to purification of the solvent-laden air, they also contribute to reduced CO<sub>2</sub> emissions and lower operating costs.

To calculate exactly how much energy is saved in a particular case, we need to know certain production data of the line concerned. Upon request, we would be pleased to send you a corresponding questionnaire.

### Comparison gas consumption

- 6 000 operation hours/year
- 20 % set-up time
- 80 % production
- TNV 10 000 Nm<sup>3</sup>/h
- Speed 7 000 sheets/h
- Average solvent load 60 kg/h
- Fresh air heat exchanger
- Average sheet weight 1,2 kg



Gas savings HighEcon / EcoTNV

### EcoTNV

The EcoTNV system possesses a flexible, high-performance heat exchanger. The heat recovery coefficient of the heat exchanger is set automatically to the maximum attainable value for the current production conditions. The exhaust air volume remains constant.

The EcoTNV system is especially suitable as a retrofit package for existing lines or for new decorating/coating or coating lines for lower outputs.

### HighEcon

The HighEcon air purification and drying oven system is based on an enlarged fresh-air heat exchanger and a main heat exchanger with maximum heat recovery coefficient of 60% which remains fixed. Variations in the production conditions are taken into account by way of the automatic exhaust air volume control. The exhaust air volume is adjusted automatically and steplessly between its minimum and maximum settings. The HighEcon system is especially suitable for new installations and high-performance coating lines.