

Case Study

REILING GmbH & CO. KG relies on a screw compressor F-Drive 11 from ALMiG.

Throughout Europe, REILING GmbH & Co. KG is one of the market leaders in the field of glass recycling. In order to be able to generate the compressed air for glass sorting and workshop air in a more energy-saving way, a rigidly running screw compressor was replaced by a speed-controlled F-Drive 11 screw compressor.

FACTS



- » **Customer:** REILING GmbH & Co. KG
- » **Application:** Glass sorting and workshop air
- » **Requirement:** Energy saving and replacement of an existing plant
- » **Solution:** Screw compressors F-Drive 11



THE GOAL

The topics of sustainability and environmental protection are top priorities for recycling companies. Therefore, the compressed air station should also be optimized and a rigidly running compressor replaced with a highly efficient, energy-saving compressor.



THE SOLUTION

The energy-efficient & space-saving F-Drive 11 compressor from ALMiG //

Since REILING GmbH & Co. KG had already been using an ALMiG compressor (BELT 11, year of manufacture 2010) and was very satisfied with it, they asked ALMiG again for its replacement.

The good experience with the ALMiG brand as well as the concept of the F-Drive series with the very high energy efficiency due to speed control and permanent magnet motor (efficiency comparable to IE4 or better) and the integrated heat recovery as well as the optimal price-performance ratio convinced the decision makers.



THE SUCCESS

High energy savings and a reliable compressed air supply //

The F-Drive produces compressed air with very low energy requirements due to the speed control and the highly efficient permanent magnet motor.

The compressors always produce the demand that is currently needed and thus only consume the corresponding amount of energy. When idling, standard compressors without speed control require about 25 to 40 percent of the energy consumed under full load - without producing compressed air. The load-idle control of a standard compressor in conjunction with a fluctuating compressed air demand therefore causes expensive idle times. These are avoided with the F-Drive.

Compared to the fixed-speed system, REILING can save almost 3,000 kWh per year with a constant compressed air demand, thus not only saving money but also protecting the environment.

Another advantage: The F-Drive series is eligible for BAFA subsidies, which means that investments can be subsidized by up to 40%.