COMPRESSOR SYSTEMS
MADE IN GERMANY

ALMiG Compressor Systems

Case Study

The specialist company for painting and bodywork Emil Slongo GmbH from Rottweil in Germany relies on the screw compressor F-Drive from ALMiG.

In addition to high-quality painting work, Emil Slongo GmbH also offers state-of-the-art options for glass repair, vehicle frame repairs and vehicle conversions. Compressed air is required for many of these jobs. This is supplied by the speed-controlled screw compressor F-Drive from ALMiG.

FACTS

» **Customer:** Emil Slongo GmbH

» **Application:** Painting and car body work

» **Requirement:** Reliable and space-saving compressor station

» **Solution:** Screw compressor F-Drive 6

THE GOAL

An energy-efficient and reliable compressed air supply for painting and machine air, was the goal of Slongo GmbH when one of their compressors was defective.
In addition, the compressor station had to be space-saving and compact due to the space situation.

THE SOLUTION

The compact and space-saving screw compressor F-Drive from ALMiG //
As Slongo GmbH was already very satisfied with the first unit from ALMiG (a FLEX 6S), they asked ALMiG again. The concept of the extremely space-saving design of the F-Drive 6 as well as the very high energy efficiency due to speed control and permanent magnet motor (efficiency comparable to IE4 or better) convinced the decision makers of Slongo GmbH.
Together with an ALM-RD 110 refrigeration dryer with integrated filters and a galvanized 250 liter compressed air tank, the compressor station now ensures a reliable compressed air supply of the right quality.

THE SUCCESS

High energy savings and a reliable compressed air supply // The F-Drive generates compressed air with very low energy requirements thanks to the speed control and the highly efficient permanent magnet motor.
The speed control of the F-Drive allows Slongo GmbH to respond to the changing demand for compressed air. The compressors always produce the demand that is currently required - 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 any 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.
Another success: Due to the compact design of the screw compressor
F-Drive 6, the conversion of the compressor station was possible without any problems even in the narrow compressor room.