COMPRESSOR SYSTEMS
MADE IN GERMANY

ALMiG Compressor Systems

Case Study

PASCHAL-Werk G. Maier GmbH relies on two speed-controlled screw compressors of the F-Drive series from ALMiG.

The PASCHAL Group is a leading manufacturer of formwork and scaffolding systems for modern concrete construction. In production, compressed air is needed as working air for machines and tools. Now Paschal has optimized the compressed air station and first replaced a rigid compressor with a speed-controlled F-Drive screw compressor from ALMiG and shortly thereafter replaced a second rigid unit with another F-Drive. This not only ensures a reliable compressed air supply but also saves energy.

FACTS

» **Customer:** PASCHAL-Werk G. Maier GmbH

» **Application:** Working air for machines and tools

» **Requirement:** Replacement of a rigid existing system with compressed air preparation by an energetically good machine.

» **Solution:** F-Drive 15 screw compressor

THE GOAL

- Optimization of the compressed air station
- Improved energy efficiency to save energy costs and protect the environment
- The system must be eligible for BAFA be eligible for subsidies.
- Payback period of the existing plant of only approx. 3.5 years (BAFA subsidy taken into account) due to lower electricity consumption.

THE SOLUTION

The energy-efficient F-Drive 15 compressor from ALMiG //

The high energy efficiency of the F-Drive screw compressors for saving energy costs and protecting the environment convinced the decision makers of the units. The concept of the units plus the good advice and service as well as the best price-performance ratio compared to the competitors were decisive for the decision for a F-Drive 15 with refrigeration dryer ALM-RD with integrated filters. Since those responsible are very satisfied with the F-Drive 15, shortly after its installation another rigid compressor will be replaced by an F-Drive 8 and an ALM-RD refrigeration dryer.

THE SUCCESS

High energy savings and a short payback time //

The F-Drive generates compressed air with very low energy requirements thanks to the speed control and the highly efficient permanent magnet motor. This allows the Paschal plant to save more than €1,500 in energy costs per year, which means that the purchase of the equipment pays for itself in less than 3.5 years. In addition, 40% of the investment costs were subsidized by BAFA.

The low energy consumption also means that less CO_2 is emitted, which helps to protect the environment.