

Case Study

PAGEN Sp. z o.o., relies on a screw compressor F-Drive 30 from ALMiG.

„Since we put the compressor into operation last year, we have forgotten that we have a compressor on site” - this was the first statement of the service manager of the company PAGEN GmbH in Poland. The company PAGEN is a manufacturer of windows, doors and shutters made of PVC and aluminum.

The company PAGEN, which has been operating since 1998, is one of the leading Polish manufacturers of windows and doors made of PVC and aluminum systems. In the production of windows, front doors, patio doors, roller shutters and garage doors, they rely on strategic cooperation with renowned profile manufacturers such as SCHÜCO and SALAMANDER in the PVC product segment, and ALUPROF and PONZIO in the aluminum product segment. The envelope fittings are supplied by WINKHAUS, the low-emission glazing by Effect-Glass S.A. Garage doors and roller shutters by PAGEN are equipped with smart home systems and operators by Somfy and Sommer. Due to the expansion of the factory in 2021, Pagen installed the F-Drive 30 screw compressor with the ALM-525 refrigeration dryer, compressed air tanks and oil-water separator.

FACTS

- » **Customer:** PAGEN Sp. z o.o., Polen
- » **Application:** Working air for several pneumatic machines for production
- » **Requirement:** Increase in air production due to an expansion of the production plant. The unit should be installed in the main production line without a special compressor room.
- » **Solution:** Screw compressors F-Drive 30



THE GOAL

The customer built a new production hall and needed an additional amount of compressed air.

The new compressor had to be reliable and energy efficient. The energy for the entire company is generated by photovoltaics. Any interruption in the production of the plant means that the tight production schedules cannot be met, which was one of the main requirements for PAGEN to invest in a new production hall and increase production. In addition, increased energy prices are forcing manufacturers to reduce production costs in all areas of technical media, including compressed air generation.



THE SOLUTION

Compressor with direct drive and permanent magnet motor and F-Drive 30 speed control // Thanks to the use of the F-Drive 30 compressor, it was possible to achieve all the goals set by Mr. Sebastian Sosin, the manager of the production site, as part of the project. The high air flow rate per kWh of electricity supplied means that the cost of compressed air generation has dropped significantly. Other advantages are the low noise level, the small footprint and the adaptation of the compressor to the current compressed air demand thanks to the integrated speed control. Thanks to this compressor, there has not been a single day of production downtime, which was one of the most important goals of the investor.



THE SUCCESS

High energy savings and a reliable compressed air supply //

The Managing Director of PAGEN: „In 2021, we have certainly not lacked challenges and ambitions to achieve the goals we have set. In my opinion, the most important event of the past year was the opening of a new production hall, which crowned several months of work by the entire planning team. With this investment we have increased the total production and storage area to over 22,000 square meters, we have invested in innovative machinery...”

We are proud that with the highly efficient F-Drive, PAGEN has achieved reliable compressed air production combined with energy savings, which increases competitiveness in the products manufactured at the plant.