



CASE STUDY

RELIABLE COMPRESSED AIR FOR TRADITIONAL BREWING CRAFTSMANSHIP

Privatbrauerei Jacob Stauder Relies on a Demand-Controlled CompAir Compressed Air Supply

The Stauder family has been brewing beer in Essen since 1867 – today in its sixth generation, combining traditional brewing craftsmanship with modern, reliable production technology.

Compressed air plays a central role, supporting numerous processes from valve control and pneumatic drives through to filling and packaging. For sensitive applications close to the product, Privatbrauerei Jacob Stauder relies on oil-free CompAir technology - supported by its long-standing partnership with Hermann Mönnichs Drucklufttechnik GmbH, a CompAir Premium Partner for oil-free compressed air.



The Project at a Glance

▶ Customer	Privatbrauerei Jacob Stauder GmbH & Co. KG, Essen
▶ Industry	Brewery / Food & Beverage
▶ Applications	Valve control, pneumatic drives, filling, packaging, measurement, control and automation technology, as well as cleaning and maintenance
▶ CompAir Installation	2 x CompAir D75 HRS and 1 x CompAir D22 HRS, 1 x CompAir SmartAir Master
▶ Added Value	Oil-free compressed air for sensitive processes, automated demand-based control, redundancy, plus high reliability and availability



Summary

Privatbrauerei Jacob Stauder relies on a reliable, demand-controlled compressed air supply from CompAir for its production.

Two CompAir D75 HRS compressors and one CompAir D22 HRS deliver oil-free compressed air for sensitive applications. At the same time, automatic switching on and off and built-in redundancy provide a high level of supply security.

After around six years of operation, the solution continues to impress with its reliability, availability and the dependable support provided by Hermann Mönnichs Drucklufttechnik GmbH.



Family-Owned Brewery Since 1867

The story of Privatbrauerei Jacob Stauder began in Essen in 1867.

From a small home brewery, it grew into a family business now managed by the sixth generation. Axel Stauder and Dr Thomas Stauder have led the brewery since 2005. More than 100 employees work together to combine strong regional roots, personal customer relationships and an uncompromising commitment to quality.

Quality is central to the company's philosophy. Stauder combines traditional craftsmanship with carefully selected raw materials; its beers use five varieties of aroma hops from growing regions including Hallertau, Tettnang, Spalt and Saaz. At the same time, the brewery continually invests in modern, resource-efficient production technology. The brewery commissioned an energy-saving filling line as early as 2020.



Compressed Air as the Backbone of Production

Stauder uses compressed air at many points throughout its production process.

It controls and actuates valves, supplies pneumatic drives and supports filling and packaging systems, as well as measurement, control and automation equipment. It is also used for cleaning and maintenance work.

The compressed air supply is therefore directly linked to production reliability: a failure can bring equipment to a standstill. Reliable compressor sizing, drying, storage and distribution, together with sufficient capacity, are therefore essential.



Quality and Hygiene Come First

Requirements are particularly stringent wherever compressed air can come into direct or indirect contact with the product.

For Stauder, this air must be free from oil, water and contaminants and meet the brewery's hygiene requirements. Appropriate air treatment, filtration, regular maintenance and quality checks are therefore central elements of the overall concept.

Oil-free compressed air is required in particular for many processes in product filling and for filtration within production. For other applications, Stauder also uses oil-lubricated compressors. This allows Stauder to use the most appropriate technology for each process requirement.

“We would make the same decision again, even after six years.”

Marcel Thom,
Privatbrauerei Jacob Stauder



A Proven Partnership as a Key Decision Factor

Alongside the technology itself, Stauder's long-standing partnership with Mönnichs Drucklufttechnik played an important role in the decision to adopt the new compressed air solution.

Stauder wanted to combine the local partner's experience with proven oil-free CompAir technology and high operational reliability.

Mark Mönnichs also provides the brewery with an experienced point of contact who, as a CompAir Premium Partner for oil-free compressed air, understands the requirements of sensitive applications extremely well.



Demand-Based Control and Redundancy

A key advantage of the installed solution is the way the three CompAir compressors work together.

The higher-level CompAir SmartAir Master control system automatically and efficiently switches the machines on or off based on current compressed air demand. This allows the supply to adapt to changing production requirements.

At the same time, the configuration provides redundancy in compressed air generation. For a brewery where many production steps depend on compressed air, this additional level of supply security is particularly valuable.



Reliability in Daily Operation

After around six years of operation, Stauder highlights the machines' reliability and high availability.

Equally important is the dependable support provided by Hermann Mönnichs Drucklufttechnik GmbH and the availability of CompAir spare parts.

The brewery has been working to reduce its energy consumption for years, and CompAir's energy-efficient compressor control via the CompAir SmartAir Master has contributed significantly to this effort. Stauder's main priorities, however, remain supply security, compressed air quality, demand-based control, redundancy and availability.

Benefits at a Glance

- ▶ **Reliable Supply**
High machine availability supports stable production processes.
- ▶ **Demand-Based Control**
The three compressors are automatically switched on or off according to current compressed air demand.
- ▶ **The Right Technology for Each Application**
Targeted use of oil-free and oil-lubricated compressors according to process requirements.
- ▶ **Oil-Free Compressed Air**
Suitable for sensitive applications in filling and production.
- ▶ **Available Spare Parts**
Fast support during ongoing operation thanks to good availability of CompAir spare parts.
- ▶ **Redundancy**
Additional supply security for production processes that depend on compressed air.
- ▶ **Strong Service Partner**
Long-standing support from Hermann Mönnichs Drucklufttechnik GmbH, a CompAir Premium Partner for oil-free compressed air.
- ▶ **Proven Over the Long Term**
After around six years of operation, the solution continues to prove itself in daily use.



A Solution that Fits the Brewery

The Stauder installation demonstrates how traditional brewing craftsmanship can be combined with modern production technology.

This reflects the family brewery's own commitment to combining quality with resource-efficient, future-ready production. Oil-free CompAir compressors supply sensitive applications, while automated control of the three machines supports a demand-based and redundant compressed air supply.

For Stauder, it is not simply the compressor technology that matters, but the combination of reliable machines, available spare parts and an experienced local partner. As a Premium Partner for oil-free compressed air, Mark Mönnichs brings additional expertise to sensitive production processes.

