

An efficient solution for the drinks industry

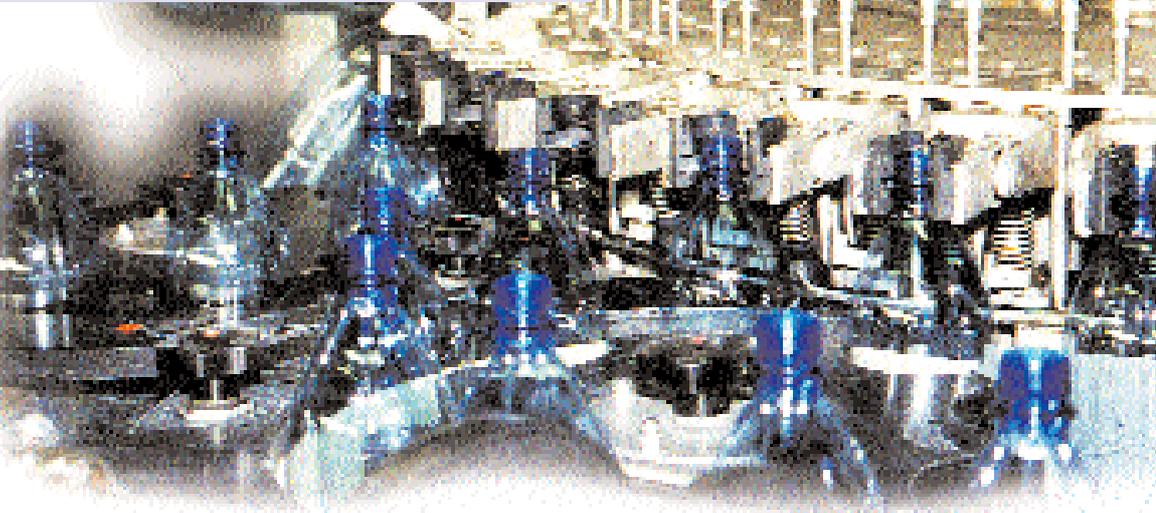
PET – The Trend in Mineral Water Bottles

Gasteiner and Güssinger mineral waters are famous far beyond the borders of Austria where they originate, and today, these classic mineral waters are offered not only in glass bottles but also in light weight PET bottles.

Customer reaction is very positive.

When these two distinctive brands were acquired by Austria's largest beverage supplier, BBAG, one could have been forgiven for expecting a merger and loss of product individuality. Fortunately, BBAG are great respecters of individual taste and the two companies kept their separate production facilities and market profiles. The fairly low mineral content and neutral taste of the Gasteiner water is complimented by the very distinctive flavour of the Güssinger. Each have about six percent of the Austrian market with a rising tendency.

Compressed air is an essential energy medium for modern bottle filling and conveying equipment



Latest drinks processing technology

Gasteiner and Güssinger place high priority on excellent reliability and customer service, and both maintain their production facilities at the most modern technical levels. The bottling plant at Badgastein can fill 24,000 litre bottles per day or 44,000 smaller bottles. The corresponding plant at Gersdorf fills 32,000 or 38,000 respectively. Such capacities are prerequisites for assuring continuity of delivery.



GASTEINER Mineralwasser GmbH
Founded: 1929 in Badgastein, Austria
Workforce: 38
Products: 50 million bottles of mineral water per year



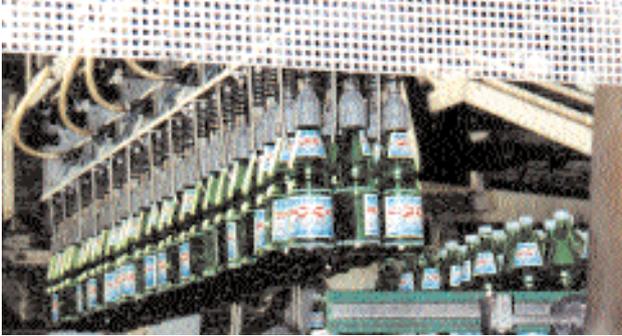
GÜSSINGER Mineralwasser GmbH
Founded: 1917 in Gersdorf, Austria
Workforce: 40
Products: 40 million bottles of natural mineral water and non-calorie lemonade per year

Increasing proportion of PET bottles

Alongside the traditional glass bottles, the mineral water producers have, for some time, also supplied their products in lightweight bottles made of polyethylene terephthalat, better known as PET. This material has particular advantages from the handling point of view, as it is tough, can be pressurized, is crack-resistant and far lighter

GASTEINER

KRISTALLKLAR



Crates are quickly and economically emptied and refilled with the aid of compressed air

than glass. Consumers also are increasingly coming to appreciate the advantages of PET bottles and show their preference. Furthermore, the bottles can be reused or recycled with little energy expenditure.

In-house bottle manufacturing

PET bottle manufacturing plants are integrated into the production facilities of both companies. Compressed air is used in a blow-moulding process to expand and stretch pre-forms to the final bottle shape. The hourly rate of bottle production in Badgastein is 12,000 and 10,000 in Gerersdorf.

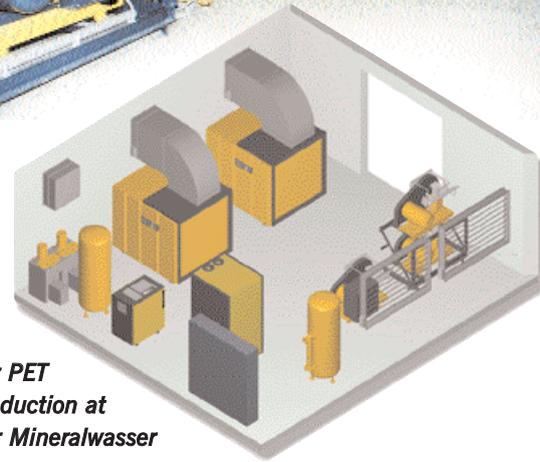
Economic compressed air of certified quality

Blow moulding requires compressed air at about 40 bar pressure and a further supply of air at 7-10 bar is needed for pneumatic handling and transport mechanisms. KAESER has developed a technique for supplying this specific demand. Screw compressors provide the low-pressure high volume output, and this is boosted to provide the local high-pressure supply. Also included are air treatment plant and precision control systems. Gasteiner and Güssinger have each installed two KAESER DS 201 screw compressors for the basic low-pressure supply and

three model N 753-G boosters for the high-pressure air at 45 bar. Air treatment equipment and control systems are also supplied by KAESER to officially certified quality classes. KAESER received the contract to supply because of their ability to provide a turnkey air generating facility that exactly and economically matches the air demand, and to provide the comprehensive back-up service needed to ensure its continuous and reliable operation. Air requirements for pneumatic handling and conveying mechanisms are different at the two plants. Two BS 61 screw compressors are installed at Badgastein and a BS 61 together with an AS 35 at Gerersdorf for these requirements. Similar air treatment plant and control systems are installed at both facilities. Commercial Director



The compressed air installation with high and low pressure stages for PET bottle production at Güssinger Mineralwasser GmbH



Friedrich Scheubrein, responsible for purchasing the compressed air plant at both facilities, considers he has been well advised and served by KAESER. "Otherwise, I wouldn't have been placing orders regularly with Kaeser since 1986." he remarks.



Left: Maintenance manager Anton Viehhauser (at left) and KAESER Sales Engineer Peter Wieser in the Gasteiner compressor room

Right: The compressed air plant at Güssinger Mineralwasser GmbH

