

# KAESER Kompressoren

## Compressed air contributes to safety

### Initial situation

Tons of red-hot loads are moved quite easily - and over the heads of the employees. At one of KAESER's major customers, compressed air will contribute to employee safety in the future. Seamless steel pipes are not easy to produce. Weighing up to 27 tonnes and up to 10.5 m long, the pipes are produced from a 1300 °C hollow block using the Ehrhardt drawing-pressing process. A challenging task.



### Solution statement

- The supply gap was filled by a KAESER DSDX 243 screw compressor with SFC speed control. The unit is leased. The function was extremely satisfactory.
- After receiving positive news from the customer that the service life of the compressed air system had expired, the company decided to have KAESER Compressors supply the plant's compressed air supply with immediate effect.
- KAESER's second step here was to supply the customer with new leased DSD 238 compressors, two DSD 202 machines whose compressed air is dehumidified by two refrigeration dryers (TH 451) and fed into the factory network via a 5 m³ compressed air receiver.
- All compressors are equipped with heat recovery.

### Customer value

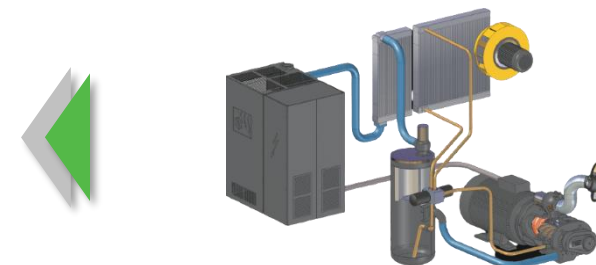
- Reliability of the equipment is guaranteed
- Cash savings thanks to the positive energy balance of the compressor
- Support of the building heating in the factory and in parts of the administration thanks to the use of heat recovery.
- The already excellent energy balance of the compressed air station is significantly improved once again.
- A classic win-win situation.



Compressors  
Dryers  
Heat recovery

### Challenge

The finishing of the pipes is a great challenge. The specialists perform millimetre work on the large lathes during hollow grinding and turning. Colossi weighing tons rotate at considerable speeds. It is not without reason that the safety of the employees is the top priority here. Strong, compressed air-operated shoe brakes are responsible for ensuring that the long, heavy hollow bodies do not slip off. A lot is demanded of the installed compressed air system here: reliability.



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