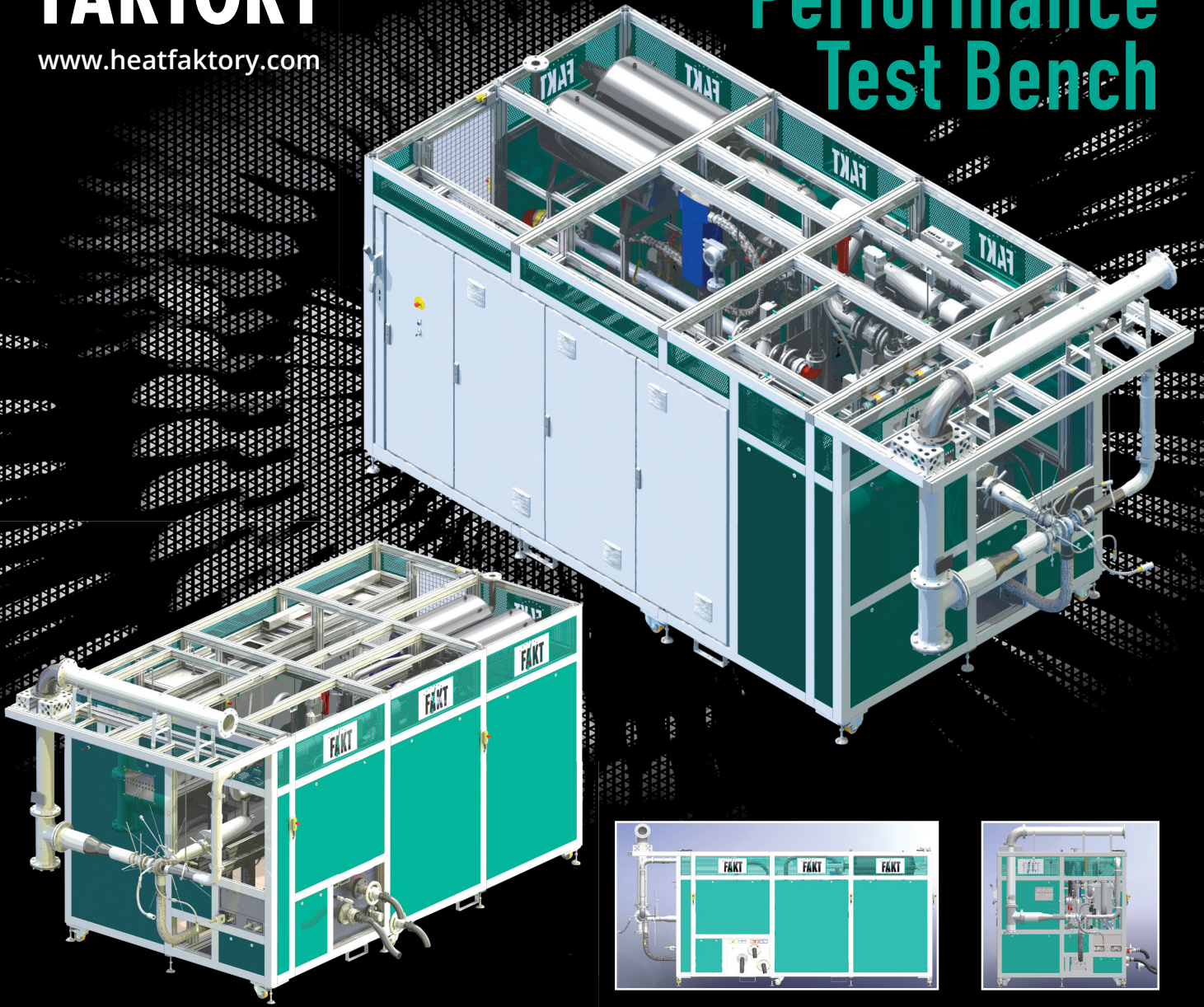


HEAT FAKTORY

www.heatfactory.com

Turbo Charger Performance Test Bench



HeatFactory Performance Test Bench

Thermodynamic analysis of turbochargers in the development and evaluation phase or as a production monitoring system with the heatFAKTory test stands.

The combination of our hot gas generators with additional equipment such as oil, water and intake air conditioning systems, allows realistic and repeatable testing on the test stand. In addition to analyzing the compressor characteristics (mapping), the special automation also enables the testing cycles for the thermal aging of the test specimens in endurance operation (thermal shock).

The heatFAKTory hot gas generators are installed in a rack together with the additional equipment, forming a compact unit. The modular design also allows us to implement special requests and customized requirements, such as a closed-loop unit.

Technical Specifications

- Power: 100 – 1,200 kW
- Fuel: CNG/ LPG/ H₂
- Temperature range hot gas: 80 – 1.200°C (depending on mass flow)
- Mass flow: 100 kg/h – 5,000 kg/h (0.027 kg/s – 1.38 kg/s)
- Turbine inlet pressure: max. 5 bar (rel.) (depending on mass flow)
- Temperature and pressure ranges of the conditioning units according to customer specifications
- CE or TÜV approval

