



**GANZAIR**  
Compressortechnics

# PRODUCTS and SERVICES

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# GANZAIR

Our company, **as one of the private-owned successors of the long tradition of the GANZ factories**, specializes in equipment producing and handling compressed air and gases. **Since our establishment in 1990, our turnover has been multiplied by thirty**, and it exceeded HUF 3 billion in 2015. We continuously operate as a profitable and stable company, and we are one of the leading companies in the Hungarian market for our field. **The vast majority of our activities consists of the design, manufacture, supply, technological installation and servicing of investment products and equipment systems, as well as the related engineering services.** Our customers are mainly operating in the machinery and electronics industry, vehicle manufacturing and operation, chemical, pharmaceutical, food, energy industry, oil & gas, petrochemistry, artificial fertilizer production and environmental industry, but we have partners also in health care and other service areas. We operate both on the domestic and export markets, our export activities amount to 20-40%, depending on the projects.

Our certificates and authorizations:

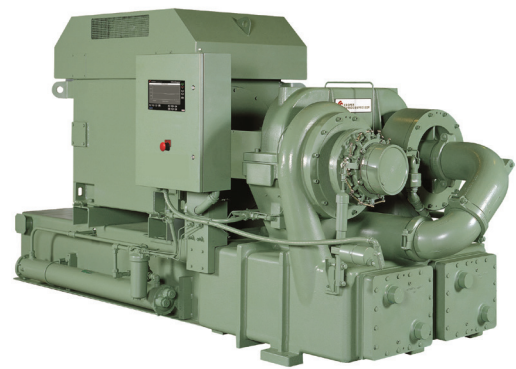
ISO 9001, ISO 14001, MSZ 28001 (EBK, OHSAS), PED 3/1998. (I.12.) IKIM, MSZ EN3834-2, ATEX design, construction, repair, maintenance

## GANZAIR DIVISIONS

### Industrial compressor systems

Air and gas compressors for industrial energy infrastructure and the related secondary treatment devices, driers, filters, air tanks, network elements which are even able to produce sterile air quality. For example **ORKI qualified** systems for the supply of equipment for hospital operating rooms, or compressed air used in **super clean technology** for the electronics industry, which is a thousand times cleaner than the one we breathe. We also offer a nitrogen and oxygen generator systems.

We also design and deliver **custom-made equipment and systems for special tasks**, such as pressure test equipment up to 4,000 bar, chemical injectors, energy-saving pneumatic components, computer-based control systems for the remote management of compressors, or heat recovery systems enabling energy savings of up to 80%.



We can build a system meeting the highest requirements for any industrial project. We can deliver not only high pressure (4-13 bar and 35-700 bar) compressors and additional equipment, but also **lowpressure blowers** used in water purification, chemical technologies and pneumatic transport of dust and granules. We have also expanded our range with **vacuum machines** and energy-efficient **network elements**.

**We also offer the equipment of well-known European and American manufacturers, even integrated in a system.**



## Gas compressors

In addition to industrial compressor systems, this division produces equipment working in potentially explosive environments that meet the specific requirements of the oil and gas industry, petrochemistry and chemical industry. We have custom-designed compressors operating at domestic and foreign partners **in process technology, mining, underground gas reservoirs, gas processing, and pipeline transportation of gas.** We have supplied devices in the power range from 4 to 5,000 kW for raw natural gas, pipeline gas, CO<sub>2</sub> and nitrogen. Based on the request of our partners our devices can be **fix or mobile units.** As a manufacturer independent system designer and manufacturer, we build our equipment using the most suitable elements for the job reciprocating, rotary vane or screw.



## CNG filling compressors



CNG compressors are special gas compressors, which are used for **filling natural gas powered vehicles.** CNG (compressed natural gas) can be made from pipeline natural gas or biogas. Extremely environmentally friendly - it is a stable priced fuel with virtually zero particulate matter and NO<sub>x</sub> emissions and minimal cost. We make them for both for plant filling stations, such as service fleets, trucks, bus fleets and also for public charging stations.

## Compressors for vehicles and special purposes



The vehicle compressors of GANZAIR are used in many countries for bound-path transport – **railway, subway, trolley, cogwheel railway.** We have references from the Baltic to Naples. Of course, most of the rolling stock in Hungarian is provided with GANZAIR compressors. Low noise and vibration levels, long operating life and low maintenance are the characteristics of these machines even under extremely harsh weather and adverse operating conditions. Similarly, we also design and manufacture special custom-made compressors for the oil industry, machinery and chemical industry.

## Electricity generators

The gensets (electric generators) are important if you want to prevent any inconvenience, damage or economic loss in case of power failure in the power supply network. For hospitals, **a reliable back-up power source** has a life-saving role. Electric generators – **in the absence of established electricity networks** – are also useful in supplying electricity for mining, road building, well drilling, and sound equipment. We provide our customers with the most complete services.

Already in the decision-making process, we provide supporting technical data, and we design the connections and engineering installation required for the electrical network and the building management system. The on-site installation and commissioning of the electric generator is followed by the training of the operators. **We can also carry out the renewal or replacement of used electricity generators and their automatics.** In addition to the open versions, we can also build our power generation equipment with **acoustic enclosure** or in an outdoor container.



## Welded structures



Our experts have decades of experience in dealing with professional tasks occurring in the **oil, gas, energy and chemical industries**. For welding procedures, we have all mobile and **workshop-installed devices** that are necessary for the most used technologies. **We offer the construction of pressurized technological pipelines above and below ground, as well as the installation, modification, repair, and preparation for periodic expert tests of complete pressurized systems, vessels and tanks, and carry out their tightness and pressure tests, also in potentially explosive environments.** Our work is assisted and monitored by accredited laboratories for destructive and non-destructive material testing, by experts and independent certification bodies.

## Service 0-24

After the installation of the equipment, **GANZAIR** offers expert technical support, service, and spare parts for its products, for their entire life.

Our partners are supported by our service engineers with decades of practice even on site. We are available **24 hours a day**, 365 days a year based on a fee or contractual framework for maintenance and troubleshooting. Of course, our service team is equipped with a mobile phone, so they are available any time. On request, for compressor stations with remote monitoring, the machine itself can notify the service department, if any problem occurs or it is time for periodic maintenance.



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