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↑ Gas-heated heat treatment system for aluminum parts

Innovative heat treatment systems for automotive lightweighting – made by the global market leader

For over 30 years, schwartz heat treatment equipment has been serving users around the world, delivering multiple benefits to the automotive and supplier industries, the steel and non-ferrous metals sector, and aircraft manufacturing.

In the field of heat treatment solutions for press hardening, schwartz is the global market leader.

schwartz mainly supplies the automotive manufacturers (OEMs) and their suppliers (tier 1, tier 2) worldwide with its heat treatment systems for press hardening and aluminum for the production of car body and suspension components.

All equipment leaving the 3 schwartz factories is custom-designed and built to match their global customers' production needs. Currently, schwartz has supplied more than 1,000 heat treatment systems to 30 different countries on four continents.

schwartz heat treatment equipment provides improved road safety and reduced fuel consumption for today's mobility solutions

Heat treatment in a schwartz system prior to the subsequent pressing step makes steel auto body components substantially stronger. Inside the vehicle, these parts yield a significantly higher crash safety for the occupants. Moreover, given their superior strength, they can be made thinner. This provides additional savings



↑ Gas-heated roller hearth furnace for press hardening

in car weight and hence, improved fuel efficiency.

Through the use of aluminum suspension parts, automotive suppliers can further enhance the energy efficiency of their cars.

Custom built heat treatment systems

Heat treatment systems made by schwartz GmbH are designed and built individually to match specific user requirements, relying on expertise and experience gathered in this field since 1984.

All schwartz heat treatment systems are fully assembled and undergo thorough pre-shipment hot testing at their German manufacturing sites in Simmerath and Aachen or in Kunshan, China, for the heat treatment systems dedicated to the Asia-Pacific region.

The schwartz Group – at your service worldwide

7 global sites form the international schwartz Group network. Two of them are located in Germany, four in China and one in the USA.



↑ Door ring heat-treated in a schwartz roller hearth furnace

Worldwide, schwartz has 21,000 m² of production area at its disposal and employs 200 people while the staff complement at the headquarters site in Simmerath, Germany is currently at around 150. There are around 4,500 m² of floor space dedicated to the manufacture, assembly and factory inspection of heat treatment equipment.