



We think and act with future oriented vision

Current sustainability report DORST TECHNOLOGIES
(Status 2022/2023)



For DORST, sustainability is a major issue. DORST's current sustainability initiative covers four areas: **Environment, Products, Employees and Society**. In each of these areas, DORST is pursuing a variety of projects and activities:

The value-added processes of DORST also consume resources and release emissions into the environment. This impact needs to be minimized.

Primary energy consumption at DORST has been significantly reduced in a very short time thanks to a new heating and cooling system, the use of new compressors for compressed air, insulation measures and the use of LED technology. This progress is regularly monitored by an **independent energy audit (DIN 16247-1)**. DORST has invested considerable funds in an expandable 100 kWp photovoltaic system to generate electricity for its own use and to feed into the grid as a contribution to the energy transition. Further equipment of all large-scale roofs with photovoltaics is in planning. DORST is successively continuing the energy refurbishment of all relevant buildings in order to reduce heat losses in winter and the need for cooling power in summer as much as possible. By using two own sources for drinking water and for industrial water for cooling test and production facilities, DORST has been conserving valuable drinking water from the mains for decades. Industrial water for cooling hydraulic systems required in test operations at the large presses manufactured by Dorst is recycled.

A so-called double wastewater protection via coalescence separators with upstream leakage warning devices ensures extended safety. Wherever possible, the company's land is left in its natural state or is not permanently sealed.

Waste avoidance is a priority goal at DORST. Intensive digitization, for example, significantly reduces paper consumption in the company. The remaining waste is consistently separated, and a separate disposal area has been created for this purpose. The use of augmented reality and online services at DORST leads to a significantly reduced travel volume and CO2 footprint. Every trip is put to the test.

DORST Technologies is certified according to the environmental management standard DIN ISO 14001 and was awarded within the framework of the Bavarian Environmental Pact.

DORST builds, especially and primarily, on short, regional supply chains and relies on a local supplier network that has been formed and specialized over decades and which, in addition to excellent solutions, guarantees the shortest response times and distances. This preserves jobs in the region and avoids long transport routes. Suppliers of DORST receive, wherever possible, specific specifications on the subject of sustainability, which are monitored and optimized in close cooperation.

PRODUCTS manufactured by DORST stand for ecological and economic responsibility.

Sustainability is a constant goal of product development at DORST. Minimizing the consumption of electrical energy, hydraulic oils and water is the top priority. Groundbreaking innovations in the powder metal industry and resource-saving technologies for the tableware and sanitary ware industry are changing the manufacturing processes of DORST's customers. For example, a new development called CompactCast CC300 for the production of sanitary ware products uses a revolutionary approach to significantly reduce water and compressed air consumption compared to conventional manufacturing equipment.

DORST always looks for energy recovery solutions in all new designs. For example, when decelerating machine axes, DORST electric presses store the energy in a special capacitor cabinet and use it when accelerating. This recuperation not only reduces the amount of energy drawn from the grid, but also smoothes out additional power peaks that occur and place a heavy load on the grid.

Intelligent machine controls from DORST are top priority. Only the power is made available that is required in the sequence of the respective specific production step - no more and no less. The operator is enabled to simulate the resource consumption for each component with computer support and to optimize it to a minimum. With sophisticated IoT solutions from DORST, customers are able to keep a close eye on the energy balance and thus the efficiency of a plant and detect gradual deteriorations at an early stage. This allows necessary maintenance measures to be implemented in time to avoid unnecessary losses.

DORST machines and plants have always stood for durability and low wear. This is proven by 4,300 manufacturing plants in worldwide production use, some of which have been in operation for decades. DORST lives this philosophy with excellent service, long spare parts availability and the possibility of overhauling older productive systems (DORST RETROFIT).

To be sustainably successful means to focus on EMPLOYEES. That is the key to distinctive competence and responsibility.

DORST secures industrial jobs in a region primarily dominated by tourism. This saves highly qualified, non-local employees long travel times and protects the environment. Regulations on home office strongly support this.

With an apprenticeship rate of approx. 18%, which is above average in Germany, and its own training center, DORST Technologies offers young people in the region a promising and future-proof training at the highest level.

Companies play an important role in a functioning and social coexistence.

By acting sustainably, DORST assumes responsibility in the region and SOCIETY.

The non-profit DORST-Löcherer Foundation, as the sole shareholder of DORST TECHNOLOGIES, assumes responsibility in the region. The foundation's main purpose is to promote art and culture, education and training, sports, nature conservation and rescue services in the extended local area of Kochel am See, the company's headquarters. For example, a lighthouse project Digital Learning was successfully implemented at Kochel Elementary School with funding from the DORST-Löcherer Foundation.

