



## Our commitment to the environment

Kuhner is continually optimizing production processes to reduce energy consumption and waste. In addition, we aim to use more environmentally friendly materials for our products.



### How Kuhner contributes:

- **Alternative-Energy:** The company and production buildings are entirely supplied with heat and hot water from the Birsfelden hydroelectric power plant. The heat is generated in an environmentally friendly manner and with ecofriendly-forward technologies.
- **Waste separation:** Different types of waste are collected separately and sent for recycling.
- **PET-Recycling:** PET bottles are collected and brought to PET-Recycling Switzerland for recycling and processing into high-quality PET recyclate. Each year Kuhner AG receives an environmental certificate for collecting PET bottles.
- **LED lights:** Our offices are furnished with LED floor lamps and motion detectors for more energy saving. In 2019 we replaced the lights in our new production hall and significantly reduced energy consumption by 58%. As a result, we save approximately 50.000 kWh per year. The Swiss Agency funded this measure for Energy Efficiency as part of the BELHallen Plus funding program.
- **Solar:** Energy for our building is produced by solar! Since May 2013 Kühner AG has generated up to 64 kW on sunny days with more than 200 solar panels on the roofs and avoided more than 54 tons of CO<sub>2</sub> per year!





## How our products contribute:

Kuhner AG designs and builds high-quality, durable shaking machines in-house and guarantees them for 5 years. Older Kuhner shakers (U-/V-/W-series) are still operating at our customer's sites. For over 30 years, we have continuously worked to reduce the energy consumption of our shaking machines by using a special motor and unique insulation. New products and developments are always designed with the environment and sustainability in mind. Therefore, as a customer, you also decide in favor of long-lasting quality and ecologically responsible manufacturing when choosing a Kuhner product.

Below you will find a collection of products designed and constructed in an eco-friendly manner:

- **ISF1-Z Peltier:** The innovative ISF1-Z Peltier uses dual-sided Peltier elements for precise heating, cooling and humidity control. Benefits include low energy consumption, long lifetime expectancy and support our ecofriendly shift away from refrigerant use.
- **ISF1-Z EcoDew®:** An elegant, low-energy, and eco-friendly technology which controls rH between 70-85%.
- **ISF1-Z Compressor:** This powerful model contains dual cooling units operated with natural gas for higher cooling efficiency.
- **Kuhner AerationSystem:** With the AerationSystem, less CO<sub>2</sub> is needed (up to 50% less CO<sub>2</sub> consumption) resulting in a smaller footprint.
- **Kuhner labEquip:** We focus on offering more eco-friendly products in our portfolio for lab equipment. For example, our HARRIS freezers are equipped with natural K6 conform refrigerant gases.
- **Packaging:** All packaging used by Kuhner are recyclable.
- **Service and spare parts:** We keep inventory of spare parts for an extended time (over 10 years). Thus, we can repair older machines from decades ago if it is still safe for the environment. Spare parts are available directly from our warehouses.
- **Swiss supplier:** We source our materials for our shaking machines regional and can keep the transport routes as short as possible.

