

CERTIFICATE

OF CARBON FOOTPRINT 2022

HAWART Sondermaschinenbau GmbH

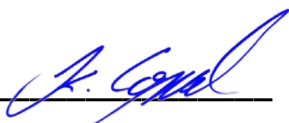
PRAE-ENERGIE certifies,

that the emissions resulting from the basic operational activities of **HAWART Sondermaschinenbau GmbH**, located at Handwerksweg 8, 27777 Ganderkesee, have been analyzed and calculated. The calculations for the calendar year 2022 (from January 1st to December 31st) resulted in the following total emissions:

Designation/ Energy Source	Energy Input	CO ₂ Factor*	CO ₂ Equivalent
Electricity	153.907 kWh	0 g/kWh	0 t _{CO2}
Gas	315.830 kWh	201 g/kWh	63.5 t _{CO2}
Fuels	193.764 kWh	269 g/kWh	52.1 t _{CO2}
Total	663.501 kWh	—	115.6 t_{CO2}

*A CO₂ factor of 0 g/kWh indicates a carbon-neutral energy source.

In accordance with the GHG Protocol **HAWART Sondermaschinenbau GmbH** has CO₂ emissions of 115.6 tonnes within Scope 1 and 2 for 2022.



Kai Coppel

THE COMPANY

HAWART Sondermaschinenbau GmbH is a specialist in the field of special machine construction. It has taken positive steps towards sustainability in recent years. Due to the increasing and conscious responsibility for climate protection, processes have been initiated to limit or reduce the environmental impact sustainably and effectively. In 2019, it was decided to turn off the heaters during the summer months to avoid stand-by operation. In 2020, fluorescent tubes in the halls were replaced by energy-efficient LED lighting.

CARBON FOOTPRINT

In 2022, the energy consumption of **HAWART Sondermaschinenbau GmbH** is equivalent to the CO₂ emissions of around 26 single-family homes. To compensate for this, it would be necessary to plant about 9,250 beech trees.

TARGETS

The introduction of an environmental management system is planned for 2023/24, as is a PV check with the planning of a photovoltaic system. Energy efficiency consulting services are intended to contribute to a further increase in efficiency. Furthermore, sustainable mobility projects, such as the purchase of electric cars, are being planned.

Through these measures, the company demonstrates its commitment to sustainability and the responsible use of resources.