HOBART

SUSTAINABILITY REPORT 2020

Orientation in environmental protection

The efficient use of resources needed to manufacture and operate our products has always been integral to our products.
Resource optimization is one of the major features of our products and at the center of our customers' concern. The aim of this Sustainability Report is to provide information on the relevant improvements that we have implemented in our products as well as in their development and production processes.
Continuous improvement through constant optimization, as practiced at HOBART for years, is currently expressed among the public by the fundamental idea of "MORE LESS".
In our opinion, fewer emissions and lower consumption cannot be the only yardstick for all things.
In order for us to continue our involvement in sustainable development, we wish to trigger and actively guide public discussion in this direction on a broad basis.
The aim of this Sustainability Report is to stimulate discussion and motivate the public to offer their judgment as to how effective our activities are regarding environmental protection.

Axel Beck, General Manager

OUR VISION
WASH WITHOUT WATER

Washing without water sounds almost impossible. But at the beginning of every venture there's a vision.

- Intensive market research
- Low operating costs at highest performance
- Consequent focus on end customers
- Continuous innovation processes

ECONOMY
OUR FOCUS

Main customer requirement:
Low operating costs at highest performance

Sophisticated machine intelligence leads to reduced

- Water consumption
- Energy consumption
- Chemical consumption

ECOLOGY
OUR FOCUS

HOBART CONSEQUENT climate protection program

- Products
- Production
- Procurement
- Projects

Use of regenerative energy

QUALITY-, ENVIRONMENTAL AND ENERGY POLICY

HOBART GmbH hereby commits itself:

- to protect the environment and to use resources and energy sparingly in all company activities, considering the environment of the organization.
- to regard the quality, environmental and energy management as an obligation and task of the company management and to improve it continuously.
- to identify and consider possible risks and opportunities regarding quality, environmental protection, energy use, energy consumption and energy efficiency, while complying with binding obligations.
- to achieve the quality, environmental and energy-related targets set based on customer requirements and those set by the company itself.
- to continuously improve energy efficiency and reduce environmental impacts by acquiring high-quality, energy-efficient products and services under economic aspects, and to take the environment and interested parties into account during planning and implementation.
- to operate and further develop a certified quality, environmental and energy management system in accordance with internationally recognized standards such as ISO 9001, ISO 14001 and ISO 50001.

RESPONSIBILITIES

Company management
Defining environmental and energy policies / Management – Sustainability goals / Overall decision-making body Management Reviews

Environmental Management Officer (UMB) / Energy Management Officer (EMB)
- Centralized controlling
- Internal audits/reporting
- Managing the action plan, including regular reviews/definition of actions
- Drafting sustainability reports
  Managing environmental law regulations
- Energy monitoring

Operational logistics (BLO)
- Advice from factory side / supporting UMB/EMB
- Collecting relevant environmental data
- Managing the energy monitoring system
- Emission testing

Purchasing
- Selection, build-up, development of and intensive cooperation with strategic suppliers for improvement of supplier performance
- Among suppliers offering the same price & service, ISO 14001 & ISO 50001certified companies are preferred.
- Introduction of and commitment to APQP processes.
- Improvement of the average “hard facts“ for those suppliers with whom we do 80% of our business, compared to previous year’s supplier development.

Production
- Project plant extension (focus on energy, environmental, and labor safety aspects).
- Avoiding hazardous material, safe handling of hazardous material.
- 50% reduction of occupational accidents.

Marketing
- Communication of the potential savings of water, chemical agents, and energy customers can achieve by using HOBART warewashing technology.
- Analysis of the specialist dealers regarding the nominal ecological significance of sustainability and ecology in a sale, as well as of other purchasing decision criteria.

Design & development
- Vision “Washing without water”: reduction of the CO2 emissions in the product lifecycle
- Active cooperation with the EU Commission and with equipment manufacturers for implementation of the EU regulation for strategic reduction of CO2 emissions of commercial dishwashers.

Human resources
- Final implementation of the introduction of a leadership model
- Reduction of the illness rate by introduction of a corporation-wide absence management
- Promotion of long-term employee commitment and recruitment of junior employees to reduce the average age of the staff to counteract the demographic change

Hobart 1897 - 1997 HOBART

Our History

OVER 100 YEARS OF HOBART

1883	Charles Clarence Hobart builds his first engines in Middletown, Ohio
1897	Foundation of the HOBART Electrical Manufacturing Company
1926	The first warewashing machine carrying a HOBART label
1953	HOBART receives the patent for the first flight-type dishwasher

Hobart 1897 - 1997 HOBART

Our History

OVER 100 YEARS OF HOBART

1960	HOBART begins production in Offenburg
2007	PREMAX line – a new chapter in the annals of dishwashing technology
2011	Building of new international research and development centre
2019	Expansion of the production by a further 12,000 sqm

Divisions:

- WAREWASHING
- COOKING
- FOOD PREPARATION
- ENVIRONMENTAL ENGINEERING
- SERVICE

Products made in Elgersweier:

Undercounter machines	hood machines	universal warewashers
basket transport warewashers	conveyor-type warewashers	automatic warewashers
utensils wash systems	waste treatment facilities	conveyor systems

PRODUCTION

The plant is divided into three sections: **incoming goods deliveries, production**, and dispatch.
Production comprises the fields of sheet metal construction, welding, and assembly.

The **product development** department for Europe is located at the company's competence center in Offenburg-Elgersweier.

PRODUCTION PROCESSES

Our products are characterized by their high quality and service life; for this reason, our warewashing equipment is primarily manufactured from stainless steel.

1. The raw stainless steel sheets delivered to the factory are subjected to initial processing by waste-optimized computer-controlled laser cutters.
2. Now, the housings are made by bending and welding of the pre-cut parts.
3. In the assembly step that follows, parts made on the premises are combined with bought-in components.
4. A final test run of the finished machine ascertains its correct operation.
5. Immediately afterwards, the machine is dispatched either directly to the customer, or via a logistics center.

DIRECT ENVIRONMENTAL ASPECTS

Direct environmental aspects	Effects/ load on the environment	Priority	Controllability
Total energy consumption on site	Use of resources, CO_2 emissions	A	I
Total gas consumption on site	Use of resources, CO_2 emissions	A	II
Total water consumption on site	Waste water	A	II
Waste material (metal and non-metal)	Use of resources, CO_2 emissions	B	I
Stainless steel waste	Use of resources, CO_2 emissions	A	II
Production / utilization	Contamination of surface water/soil	C	II
Diesel consumption	Use of resources, CO_2 emissions	A	II
Hazardous substances	Health risk, environmental pollution	A	I
Increased material efficiency of the products	Use of resources, CO_2 emissions	A	II

Key:

A = high priority
B = medium priority
C = low priority

I = easy to control
II = relatively easy to control
III = difficult to control

DIRECT ENERGY ASPECTS

Direct energy aspects	Effects	Priority	Controllability
Reducing energy consumption	Energy savings	A	II
Leakage recognition compressed air / gas	Energy savings	A	I
Use of energy-efficient production machines	Energy savings	B	III
Implementation of energy-efficient manufacturing processes	Energy savings	B	III
Use of energy-efficient units / operating systems	Energy savings	A	II
Optimization of work processes	Energy savings	A	III
Climate control in the buildings	Energy savings	B	III
Heating management in the buildings	Energy savings	B	III
Building refurbishment	Energy savings	B	II
Building extension / new buildings	Energy savings	B	I
Disciplined behaviour of the staff	Energy savings	A	II
Energy consumption lighting	Energy savings	A	I

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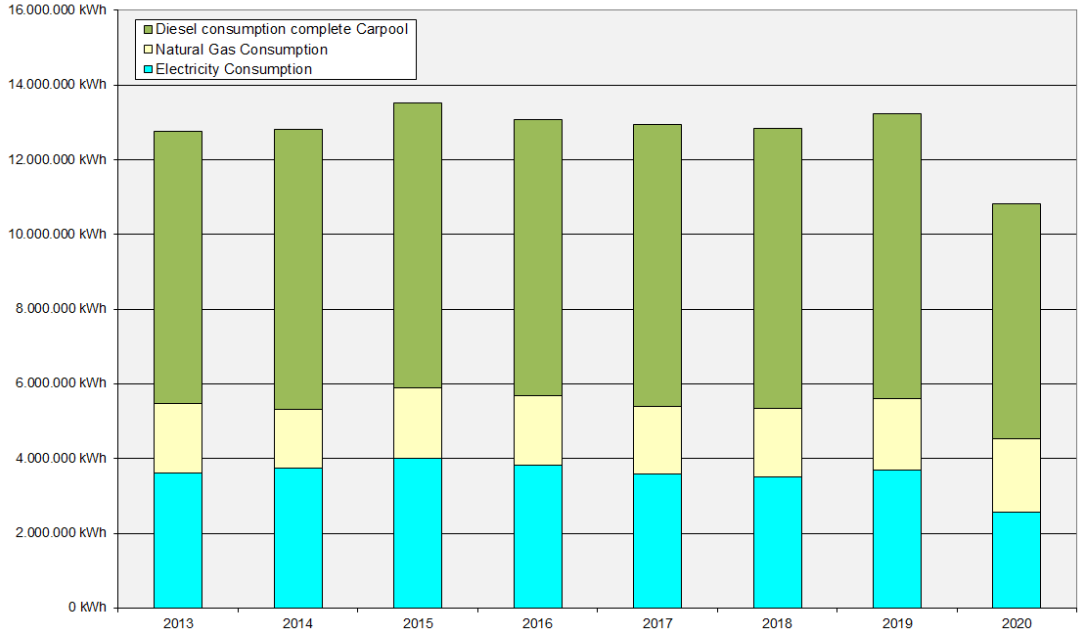
ENERGY

We use primary energy in the form of electrical energy, diesel and natural gas.

- **Electrical energy** is primarily used to operate the production plants, generation of compressed air, air conditioning of the offices, and for testing our products.
- Our service vehicles have **Diesel** engines.
- **Natural gas** is used to operate our heating system and to generate steam and hot water for the test stands.



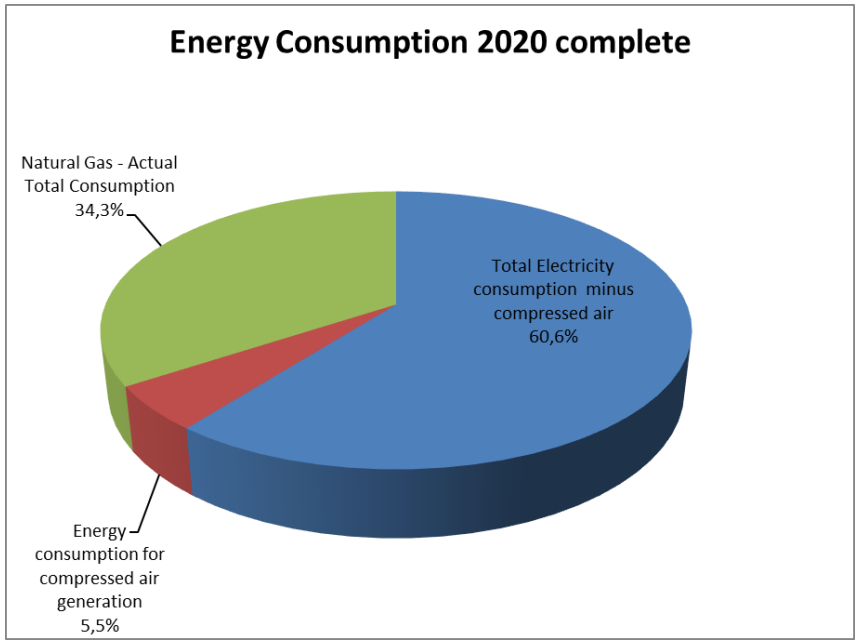
- From 2012: Permanent implementation of measures to increase energy efficiency
- Expansion of the fleet to include energy-efficient vehicles from 2013: Total consumption remained almost constant despite the larger fleet.
- In 12/2019 opening of the plant extension with a further 11,000 square metres of production area.

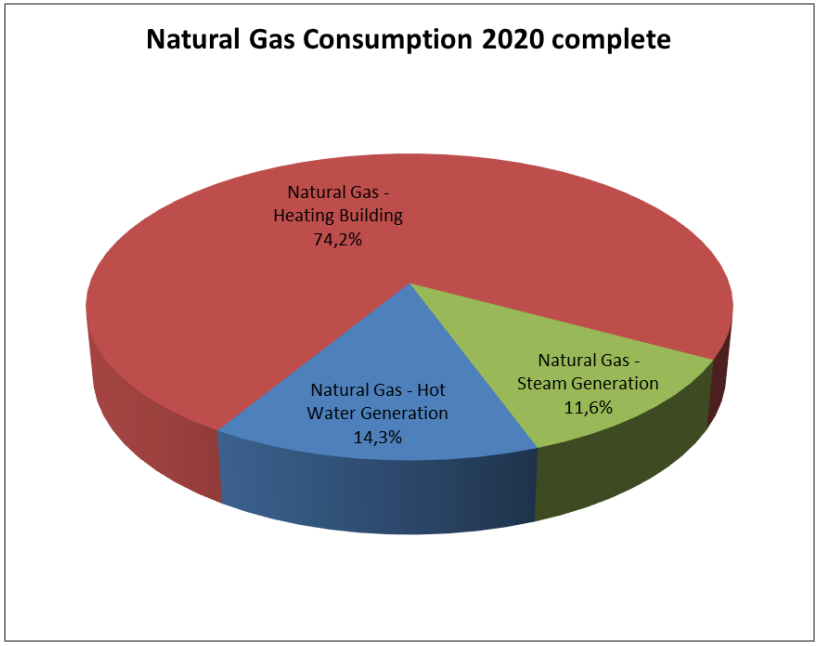
Areas with significant energy use

Areas with significant energy use	Personnel with influence on energy consumption	relevant variables
machinery sheet metal prefabrication, - laser cutting machines	Machine operator, programmer, factory manager	production hours
complete lighting	All employees, BLO	production hours
Production of compressed air	Production employees, BLO	production hours
air-to-water heat pump	Employees of the South Plant 1, 2 and East Plant, BLO	production hours
Building heating	admin. employees,	heated surface
Hot water production	All employees	headcount,
Service cars	Sercive technicians	driving kilometer, Number of vehicles
Other cars	Employees with company car	driving miles, Number of vehicles

Distribution of energy consumption

See the following diagrams for the distribution of the energy consumptions at the Elgersweier plant. For several years already, the use of the HOBART energy data monitoring has enabled us to check and compare the gas, power and water consumption at the Elgersweier plant. This monitoring is continuously refined to be able to break down the needs even more accurately and broadly and to counteract disruptions/irregularities. Furthermore, these data serve as basis from which further possibilities to save energy can be derived.

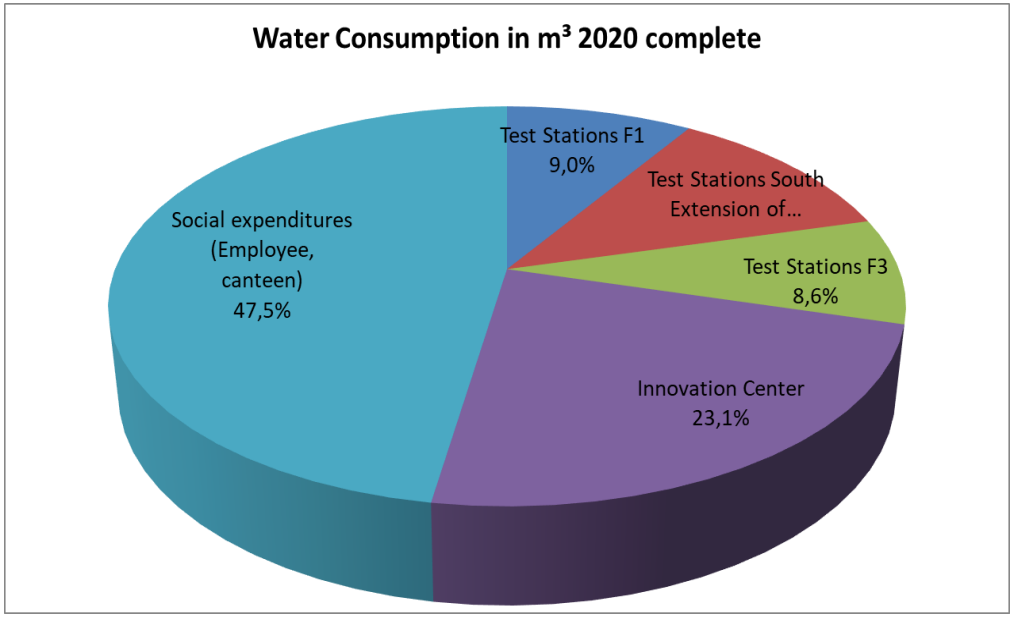


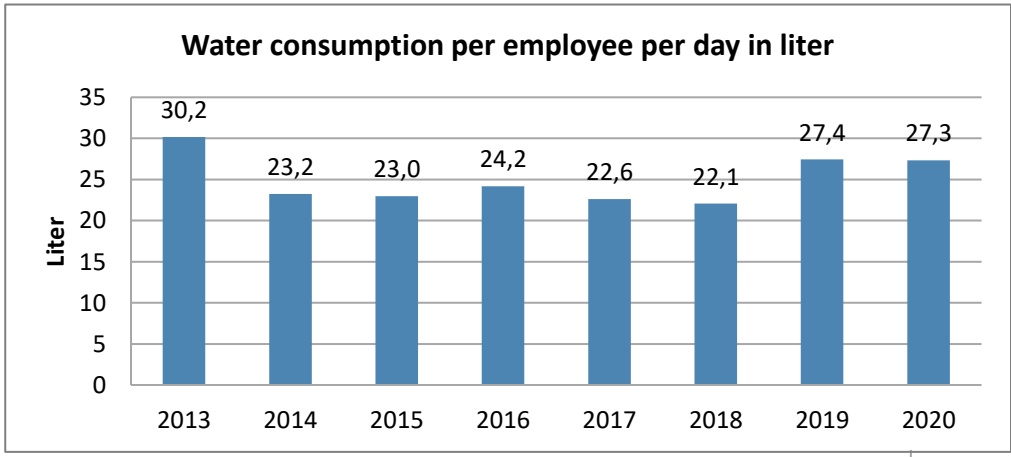


DRINKING AND WASTE WATER

We obtain our drinking water from the municipal water supply. The composition of the waste water corresponds to that of domestic waste water. A large proportion of our waste water is used in our bathroom facilities.
The Energy Data Monitoring System also supplies detailed information on the water consumption.
The high water consumption of our Innovation Centre is attributable to long-term tests of newly developed machines.
We are unable to reduce the level of testing because to do so would risk product quality.
The diagram on the right shows a significant reduction of the water consumption per employee and day at Elgersweier site compared to 2013. This is the result of the respective changes to the sanitary facilities.

HOBART's focus is clearly on reduced consumption of water, energy and chemicals during the actual operating phase of our products.





WASTE / RECYCLING

A significant proportion of our refuse is **recyclable**.

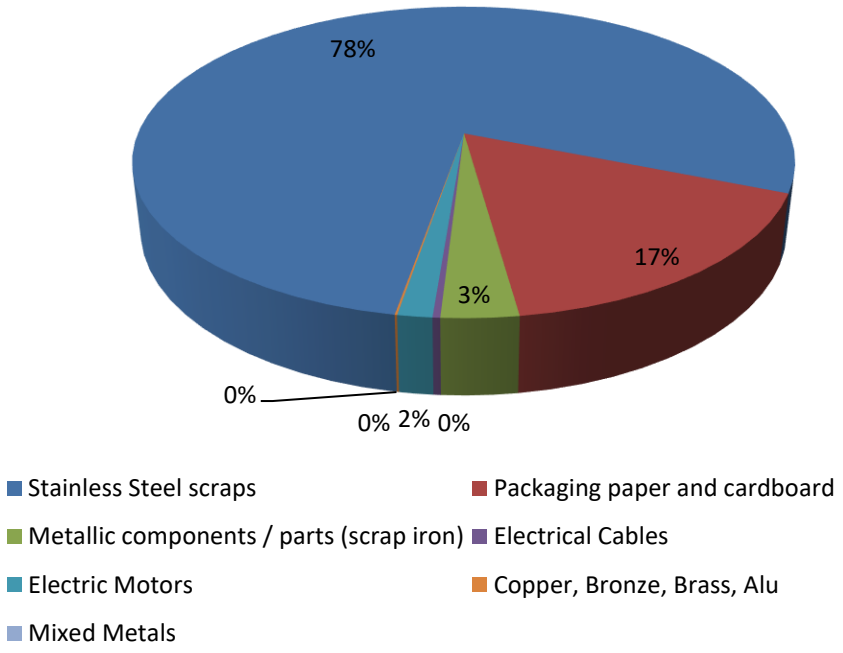
By **waste-optimized sheet metal cutting**, the amount of Cr/Ni refuse is reduced to a minimum.

The majority of purchased parts are delivered in reusable packaging or in **multi-unit packs** rather than single packs.

Returned machines are dismantled and the materials sorted and **recycled**.

At all waste collection points, we provide a set of containers that are clearly labelled to ensure proper separation of the refuse. **Waste separation** is clearly described in the **HOBART Guide to Waste Disposal** and is discussed during the annual training sessions attended by every employee.

See the diagram below for the ratio of all materials recycled at HOBART in full year of 2020.
The major part is attributable to **stainless steel waste** from the sheet metal machining center. By means of continuous efforts to implement waste-optimized sheet metal cutting, it is **reduced to an unavoidable minimum**.



Air

Air-contaminating emissions are mainly caused by the heating system,
which is subject to regular emissions monitoring.
The used air from the laser cutters is treated by a special filter system before being returned to the open air.
The same goes for the waste air from the belt grinders, which is returned to the room air.

Noise

Noise emissions at the works are monitored regularly. The major sources of noise are the die cutters, hand sanders, tube saws, and the Troval system. This unit has been encapsulated to reduce the internal noise level.
The internal noise level has been reduced further by installing sound-absorption panels in the more noise-intensive areas. All noise sources are located inside the buildings. We never had any complaints from neighbours regarding our noise levels.

Soil

The Elgersweier plant was built on former farmland which was free of any contamination. Since its establishment in 1980, HOBART has continually adopted protective measures to avoid potential soil contamination.
Care is taken that suitable collection and retention vessels are used when storing and transporting substances that may be hazardous to water so that spillage is effectively prevented.
The surrounding green spaces are maintained on a regular basis by a landscape gardener.

HAZARDOUS SUBSTANCES

Hazardous substances management

The use of hazardous substances always poses a risk to people and the environment. For this reason, the quantities of such substances must be reduced to a minimum while continuously searching for environmentally friendly alternatives.
The hazardous substances management system introduced by HOBART ensures that only substances that are absolutely necessary are used and stored at our premises. Clearly described processes ensure that no uncontrolled hazardous substances are used anywhere in our factory.

INDIRECT ENVIRONMENTAL ASPECTS

Indirect environmental aspects	Effect on the environment	Priority	Controllability
Energy consumption during operation of products [1]	Use of resources CO_2 emissions	A	I
Water consumption during operation of products [1]	Waste water	A	I
Use of chemicals in cleaning process	Contamination of waste water	A	I
Packaging / disposal	CO_2 emissions, use of resources	B	II
Logistics	Use of resources CO_2 emissions	B	II
Environmental performance of suppliers and partners	Emissions, wastes	B	III
Environmental awareness of workers	Emissions, wastes	B	I

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[1] For assessing the environmental aspects, HOBART GmbH focuses on the product life cycle of its machines. More than 90% of resources are used during the operation of the products, with only a small proportion of resources used for production/transport.

PRODUCT DEVELOPMENT

In the development of our products, we consider the following product-related environmental aspects:

- A **reduction in energy consumed** in the operation of our products is achieved for example by optimizing the heat systems, applying heat insulation to surfaces, and employing efficient heat recycling systems and heat pumps.
- The innovative "**PERMANENT Clean Automatic Soil Removal**" system allows for the continuous removal of dirt from the machine. This ensures that the wash water remains clean and effective so that there is no need to renew it. This significantly reduces the consumption of water, energy and chemicals during machine operation.
- The amount of chemicals required to operate warewashers (detergent and rinse aid) is directly proportional to the volume of water consumed. A **reduction** in **water** consumption therefore results in a lower consumption of **chemicals**.
- A reduction in water, power and detergent consumption is achieved by **intelligent washing systems**. Faulty operation by the user is eliminated by innovative technology, and reduces the consumption to a necessary minimum.
- The packaging required for **transporting** the products is made from **recyclable materials**.
- When choosing the materials to produce our machines, we consider their **environmental impact and sustainability.**
- We are increasing the capacity of our production plants **without increases in the use of resources.**

PRODUCT DEVELOPMENT

FLIGHT-TYPE DISHWASHERS SIGNIFICANTLY REDUCE ENERGY LOSS

Saving energy in dishwashing has never been this easy: Sustainability and energy saving are topics of major social impact, and also play a part in the wash up area. In addition to perfectly hygienic wash results, HOBART focuses on ecological aspects when improving its commercial warewashing equipment. For example in the new flight-type dishwashers available from this day. While complying with the hygiene safety requirements according to DIN SPEC 10534, the PREMAX FTPi as well as the PROFI FTNi ensure significant savings of energy and operating costs.

Benefits thanks to CLIMATE-PLUS: Developed by HOBART, the new CLIMATE-PLUS energy saving system consists of a combination of a drain heat recovery and state-of-the-art heat pump technology. In total, up to 70 per cent of the energy from the waste water and up to 100 per cent of the energy from the exhaust air is returned to the wash process, valuable energy which is left unused in traditional systems. This considerably reduces energy consumption and operating costs while ensuring a constant exhaust air temperature of 17°C.

The warm waste water is passed through a heat exchanger unit, where the incoming fresh supply water is heated by the waste water using the counterflow principle. At the same time, the energy from the hot exhaust air is also fed back into the wash cycle.

The new detergent saving system is easy on the purse, too
Also a reduced chemical consumption lowers the operating costs. When further developing its flight-type dishwashers, the Offenburg supplier of commercial warewashing equipment also conceived the LOW-CHEM INTENSIVE detergent saving system, which significantly reduces the detergent consumption and provides for optimum wash water. To this end, a sensor in the wash tank continuously checks the quality of the wash water and regenerates it as necessary. Depending on the extent of soiling, water from the rinse is fed into the main wash tank for just a short time as required. The chemical dosing is adjusted to align with the tank regeneration.

HOBART WASHSMART app supplies comprehensive machine information
The HOBART WASHSMART app (available from the end of this year for the new FTPi and FTNi) gives the operators an overview of the status of their new flight-type dishwashers. Among other features, the app informs of maintenance deadlines and indicates the current operating costs and chemical consumption. Based on this data, the user can avoid standstill and re-order consumables directly via the app, or contact the factory customer service or a qualified service partner. WASHSMART also provides illustrated instructions for minor faults so that you can remedy them yourself.

ENVIRONMENTAL PROGRAM 2018-2020

Product-related objectives

Protecting resources
- Energy savings of up to 20% for conveyor dishwashers
- Energetic optimization of the warewashing process in undercounter machines

Customer benefits due to reduction of investment and installation workload
- Reduction of the total connected load of the machine
- Reduction of chemical consumption

User friendliness
- Easy, self-explanatory operation

Increasing efficiency
- Increase of the output capacity without increase in the use of resources
- Optimization of the warewashing processes in canteen kitchens

Intelligent dishwashing
- Use of sensors to check the soiling of the washwater and to adjust the detergent quantity accordingly

Increasing material efficiency
- Resource-saving design

HOBART's objectives

ITW GHG Reduction Initiative:
- Reduce greenhouse gas emissions by 40% by 2030, with 2017 as the base year.

Investment in low-energy workshop lighting (LED)

Reduction of effects on the environment by transparent analysis and optimization of the flow of commodities
- Transport Management System within the ITW group

'Green sourcing'
- Constant consideration of environmental aspects when buying products and services

Service
- Reduction of the CO_2 emission by optimization of the company fleet

AWARDS

INNOVATIONS

DESIGN

ENTREPRENEURIAL FORESIGHT

PRODUCTS

Catering Star 2020

Cooking Award 2020

KÜCHE Best Product Award 2020

DIALOGUE WITH HOBART

The aim of our Sustainability Report is to provide information for the benefit of our customers, neighbors, suppliers, employees, and fellow citizens, concerning our environmental protection activities. We invite you to enter into a dialogue with us. We are fully aware that all our activities are being conducted in our shared environment.

The information contained in this Sustainability Report is updated every year. In the interest of reducing the consumption of resources, we publish our Sustainability Report on our website on the internet, at www.hobart.de.

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