



INDUSTRIAL CLEANING EQUIPMENT  
CONTAINER & TRAY CLEANING

## SERIES FUX



DEFINED CLEANLINESS/  
DEFINED DRYING RESULT



## **DYNAMIC AND POWERFUL – THE CLEANING SOLUTION FOR CONTAINERS AND TRAYS**

The container and tray cleaning machine Series FUX by HOBART is the ideal machine for the automotive and automotive supply industry and cleans up to 1,200 parts of reusable packaging per lane and hour.

The system is characterized by an extraordinary performance and the lowest operating costs in the market.

And by way of exemplary warranties, HOBART provides the highest level of quality and reliability.







## CLEANING RESULT

### CONTAINER WASH SYSTEM

The HOBART container wash system guarantees reliable cleaning results. High water circulation and the correct water pressure are largely responsible for a defined cleaning result. The HOBART wash system specifically developed for container washing has an innovative wide-angle nozzles and does exactly that. The perfectly balanced system of mechanics, temperature, chemistry, and contact time solves the most complex cleaning requirements. It ensures constant and reliable cleaning results.

### DUO PUMPED RINSE

The rinsing result is significantly influenced by the way fresh water is used. The amount of water used should be kept as low as possible. The DUO pumped rinse consists of a separate pumped rinse and a fresh water rinse and does exactly that. The pumped rinse is upstream of the fresh water rinse and rinses off most of the soapy water already. The subsequent fresh water rinse cleans off the residual soapy water from the washware with fresh, hot water.



## DRYING RESULT

### MICRO FILTRATION

A permanently clean wash bath is the primary prerequisite for best cleaning results. The filter system installed in the washing and rinsing area reduces soiling of the bath by small particles to a minimum. As no particles already rinsed off will get to the washware, re-soiling is prevented. The various filter levels are individually adapted to the cleanliness requirements. A permanently optimum cleaning result is guaranteed.



### TURBO BLOWER ZONE

The HOBART turbo blower zone reduces any remaining moisture on containers and prevents carryover to downstream zones. Most containers have depressions where moisture tends to accumulate. In blow drying, high air velocity is applied through nozzles from all four sides to blow out any moisture remaining in indentations and wells and to remove any drip water from the containers. This ensures the required level of dryness is achieved.

### HIGH PERFORMANCE DRYING

Best drying results are achieved by HOBART high performance drying. The drying results of containers depends on two factors - intrinsic temperature of the washware and air speed / air volume. High-performance drying generates a high air velocity at a high air volume. Moisture is better removed from the washware and better absorbed by the drying air. For strongly absorbing containers a combination of blow drying zone and drying is necessary.







## ECONOMY

### ECONOMIC RINSING

The FUX Series features 22% fresh water savings, thus saving up to 1,200 € in operating costs for water per year. Fresh water rinsing is to remove wash water from the washware. The required water consumption is significantly influenced by the technology used. The more inaccurate the distribution of water, the more water is needed to ensure a perfect rinse result. HOBART precision nozzles distribute the water so precisely that a small amount of water is enough to ensure the best cleaning results. Savings in operating costs of up to 1,200 € per year can be achieved.

### LOW-CHEM DETERGENT SAVING SYSTEM

The FUX cuts detergent consumption by 60 %, thus reducing detergent and rinse aid costs by up to 3.300 € annually. Detergent is injected directly into the wash tank, which is continuously regenerated by fresh water from the rinse. Therefore detergent is added to maintain the concentration according to the added regeneration volume. The enhanced LOW-CHEM detergent saving system directs only 96 liter of fresh rinse water into the wash tank for regeneration. As a result detergent consumption is reduced by up to 60 %. compared to conventional systems. This can reduce operating costs by up to 3.300 € annually.

### HOBART HEAT RECOVERY

HOBART's heat recovery system functions according to the countercurrent principle, using the energy from the extracted air to heat up the incoming water. The energy exchange takes place in the HOBART high-performance condenser. At the same time, the exhaust air is cooled and dehumidified. The HOBART exhaust heat recovery system reduces energy consumption by up to 24 kW <sup>2)</sup> The exhaust air can be fed directly into the onsite exhaust system.

<sup>2)</sup> Sample calculation FUX S-AA, passage width 965 mm, in comparison to models without heat recovery.



### BATH LIFE

The continuous treatment of the bath leads to a maximization of the bath life and reduces operating costs. The consistently high treatment performance ensures maximum bath quality and consistently reliable cleaning results. Depending on requirements, the bath volume and nature of the regeneration method can be individually adapted to customer requirements.



## FLEXIBILITY & RELIABILITY

### LATERAL SUPPORT

The flexible lateral support, characterized by tight parallel tolerances, also enables the upright processing of very narrow and absorbing washwear on the sides of the cleaning system. PRECISE adjustments allow fine corrections in the passage width. This provides exact positions and defined washing, and rinsing and drying results. The lateral support also results in a lower water carryover. The life of the individual baths is demonstrably extended.



### MODULAR DESIGN

The HOBART FUX is tuned according to customer requirements. Each machine is individually configured depending on quantity and type of washwear and drying requirements. Due to the modular design, HOBART always provides the perfect machine for the customer's specific requirements.

### PROVEN MATERIALS

The sturdy container cleaning system is made of stainless steel. Designed for heavy-duty operation, the materials guarantee reliable operation.



### SOPHISTICATED DESIGN

With decades of experience in the construction of container cleaning systems, all components are perfectly coordinated. This sophisticated design ensures maximum reliability.



## COMFORT

### PROTRONIC XL CONTROL

All key functions and data are bundled in the control of the parts cleaning machine. Thus, the control must be easy and quick to operate and allow for comfortable, self-explanatory selection of the appropriate operating options. The large and comfortable PROTRONIC XL Control is included in the Series FUX as a standard. On a clearly structured, coloured touch screen, the PROTRONIC XL Control shows an innovative operating concept. Thanks to the simple, modern user interface, operators quickly and intuitively understand how to operate the machine. All key information and functions are visible on the large touch screen at a glance. Depending on their authorization level, different user groups can see different information.

Additional innovative functions make the PROTRONIC XL unique:

- Visualisation of temperatures and error messages for the individual zones
- Automatic keeping of the maintenance history according to DIN
- Comfortable data storage in the control
- Message management system
- Visualisation of the operating manual
- Training video can be watched directly

The handling of the innovative PROTRONIC XL Control is much more advanced than previous controls, which greatly simplifies the operation, documentation and control of the machine.

### DROP-IN WASH SYSTEM

Easy to remove and easy to insert.

### CODED WASH AND RINSE ARMS

The wash and rinse arms are clearly designed to prevent risk of confusion when inserting.

### CODED CURTAINS

Easy to take out and insert. The clear marking on the wash curtains prevents confusion when inserting.





## SUPPORT

### SUPPORT CLEANING ASSISTANT

consisting of

- Bayonet wash arm catch
- Wash tanks are completely molded
- One-piece strainer
- 150 mm ground clearance
- Mono-block condensor
- Double-wing doors



### BAYONET WASH ARM CATCH

Washarms are easy to open and to close.

### MOLDED DRAIN CONNECTION

Soil is directed via beading to a central point and into the drain. This prevents soil accumulation in the tank.

### COMPLETELY MOULDED TANK

The tank sump and tank bottom are molded from one single part. This optimises cleaning and hygiene.

### DISTANCE BETWEEN CONVEYOR AND BODY

Good accessibility, even where space is limited.

### FILTER DRAWING IN THE ENTRY SECTION

Can be easily removed from outside for fast cleaning in case of heavy soiling – without interruption of operation. No spilling thanks to large collection volume and high sides.



### CONDENSER

Optimal accessibility for water spraying – by simply removing the front covering.





## HOBART SERVICE - WORLDWIDE

### REDUCING MACHINE DOWNTIME

HOBART machines and equipment provide maximum functionality and efficiency. This is also the aim of the Technical Service Department of Hobart. It guarantees highest possible operational safety because optimal technical support ensures smooth operation and significantly reduces machine downtime.

### FAST RESPONSE TIMES

The basis of an effective customer service are perfectly coordinated interaction of highly qualified service technicians, state-of-the-art technological equipment and a very customer oriented service organization. Quick responses, timely repairs and high availability of spare parts are among the outstanding features of the Technical Service of HOBART.

### LOCAL SERVICE PRESENCE

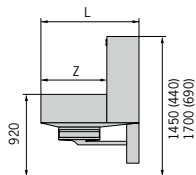
Service technicians in the HOBART customer service department operate nationwide, thus ensuring fast response and repair times.

When you call, you always have a competent person on the phone and our emergency service is available on weekends. When you call, you are automatically routed to the nearest repair centre. Each service centre has up-to-date information on the machines within its service area. This enables narrowing down faults by remote diagnostics, provisioning spare parts and coordinating the visit of the service specialist.



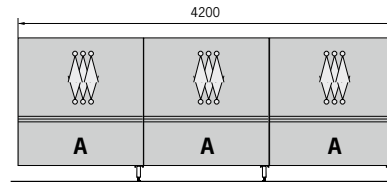
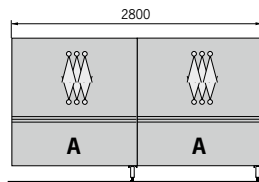
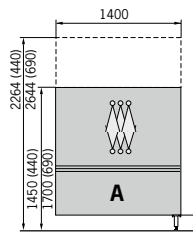
## FUX MODUL SELECTION

### ENTRY SECTION

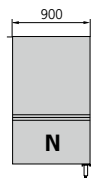
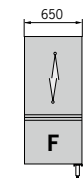
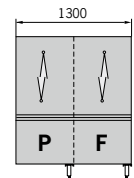


|   | Z     | L                 |
|---|-------|-------------------|
| 0 | 140   | 500 <sup>1)</sup> |
| 1 | 440   | 800               |
| 2 | 740   | 1.100             |
| 3 | 1.040 | 1.400             |

### MAIN WASH

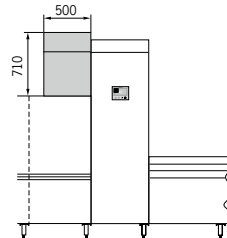


### RINSING

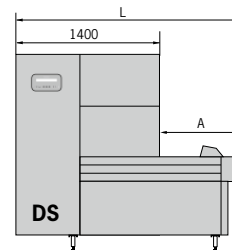
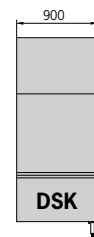
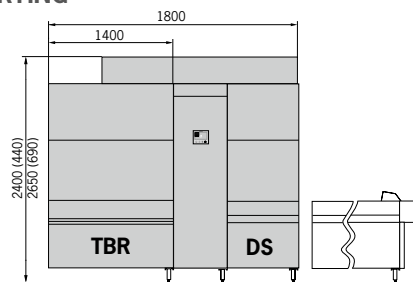
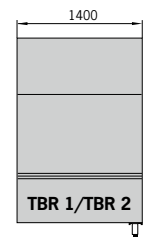


### NEUTRAL ZONE

### EXHAUST AIR

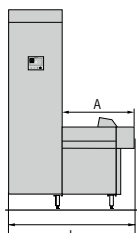


### TURBO BLOWER/DRYING

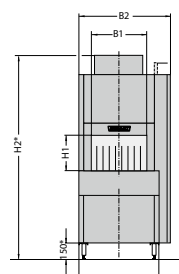


|     | A                 | L     |
|-----|-------------------|-------|
| DS3 | 500 <sup>1)</sup> | 1.900 |
| DS4 | 800               | 2.200 |
| DS5 | 1.100             | 2.500 |
| DS6 | 1.400             | 2.800 |

### EXIT SECTION



|   | A                 | L     |
|---|-------------------|-------|
| 0 | 570 <sup>1)</sup> | 1.170 |
| 1 | 700               | 1.300 |
| 2 | 1.000             | 1.600 |
| 3 | 1.300             | 1.900 |



Machine dimensions  
per passage width

|     | H1    | H2    | B1  | B2    |
|-----|-------|-------|-----|-------|
| 612 | 440   | 1.960 | 612 | 980   |
| 612 | 690   | 2.210 | 612 | 980   |
| 965 | 440   | 1.960 | 965 | 1.333 |
| 965 | 690   | 2.210 | 965 | 1.333 |
| 965 | 1.200 | 2.728 | 965 | 1.333 |

\* +/- 25 mm foot adjustment

<sup>1)</sup> In case of a direct connection to a conveyor



## THE COMPANY

HOBART is the world market leader in commercial warewashing technology and renowned manufacturer of cooking, food preparation and waste technology. Established 1897 in Troy, Ohio, HOBART today employs more than 6,900 employees around the world. At our manufacturing plant in Offenburg, Germany, HOBART develops, produces, and distributes warewashing technology worldwide. All over the world, the hotel and catering trade, cafeterias, bakeries and butcher shops, supermarkets, airlines, cruise ships, automotive suppliers, research centres and pharmaceutical companies swear by our innovative products, which are considered to be economical and ecological market leaders.

## OUR FOCUS

### INNOVATIVE – ECONOMICAL – ECOLOGICAL

This is our philosophy. To us, innovation means continuously setting new standards in technology, combined with real added value for the customer. An enterpriseowned technological centre and an innovation centre for warewashing technology at our headquarters in Germany make this possible. Highly efficient products are created with bundled innovation, which continuously confirm our status as technological leader. To be economical means to set standards in relation to the lowest operating costs and minimal use of resources, and to revolutionise the market continuously. To be ecological means a responsible handling of resources and a sustainable energy policy. This applies not only to the product in use, but in general to all areas of the organisation, such as purchasing or manufacturing.

WHENEVER THE FIRST  
MACHINE WILL BE CAPABLE OF  
WASHING WITHOUT WATER –  
IT WILL BE A HOBART.



We provide this promise of quality to our customers,  
and it represents our personal standard upheld  
by all our staff at HOBART.

## OUR VISION – WASH WITHOUT WATER

Intensive market research has shown, that our customers expect warewashing technology that combines efficiency with optimal performance. We hold ourselves to these claims, and they form the foundation for our vision of „washing without water“. This vision is our continuous incentive to walk on new paths in order to constantly reduce the water, energy and chemical consumption. Step by step, we would like to come closer to our goal with innovative excellence, and we already know: Whenever the first machine will be capable of washing without water – it will be a HOBART.

## HOBART COMPETENT – FAST – RELIABLE

HOBART service technicians as well as HOBART service partners are the “real” experts. Thanks to intensive training and many years of experience, these technicians have a unique and profound knowledge of the product. Maintenance and repair work is therefore always carried out professionally, fast, and reliably.



**HOBART GMBH**

Robert-Bosch-Straße 17 | 77656 Offenburg | Germany

Phone: 0781.600-0 | Fax: 0781.600-20 49

E-Mail: [containercleaning@hobart.de](mailto:containercleaning@hobart.de) | Internet: [www.hobart-industrie.de](http://www.hobart-industrie.de)

Member of the ITW Food Equipment Group Europe

