

**Ware Washing**

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**Commercial Cleaning**

**Series FUX**

## Characteristics of Washing Arrangement Series FUX

**HOBART**

- ➔ Decades of Experience
- ➔ Outstanding Wash & Draining Results
- ➔ Safe Technology
- ➔ Robust Construction
- ➔ Easy to Maintain, Clean and Handle
- ➔ Modular Design
- ➔ Lower Consumption of Water, Energy, Chemicals

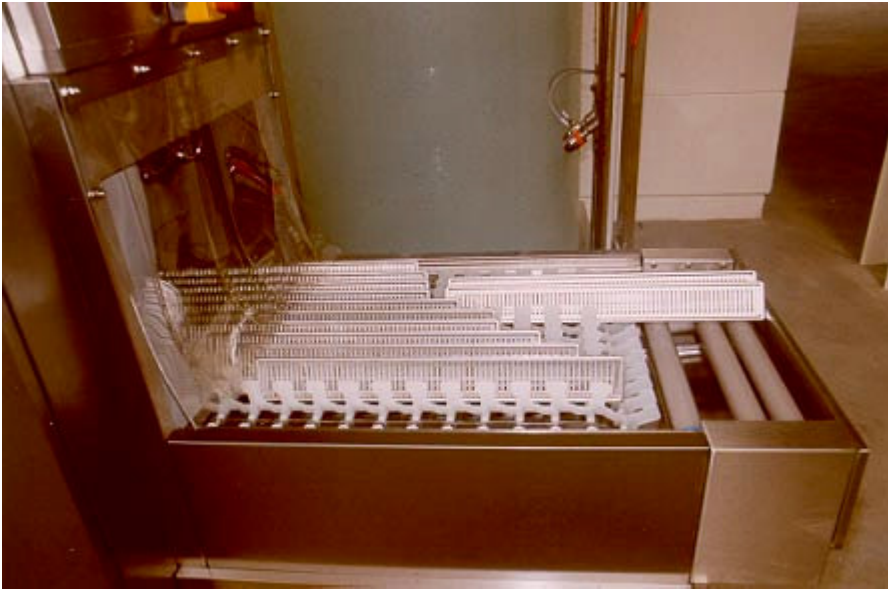
# The Cleaning Process

**HOBART**

- Part Input** → Manual (Optional: Connection to the Conveyor System)
- Washing** → Circulating Process at ca. 60°C & Chemicals
- Cleaning** → With Hot Water at Temperatures of ca. 80°C
- Blowing** → With High Performance Compressor 45°C - 65°C
- Drying** → Drying Zone With Circulated Heat at 65°C - 80°C
- Part Output** → Manual (Optional: Connection to the Conveyor System)

# The Washable Products (Examples)

**HOBART**



Sheet Metal Parts on the Conveyor Belt

Aviation Parts in Racks



# The Washable Products (Examples)

**HOBART**



Deep Drawn Parts Made  
of Stainless Steel



Plastic Pallets and KLTs (Used  
for Automotive Parts)

# FUX Functions Sketch

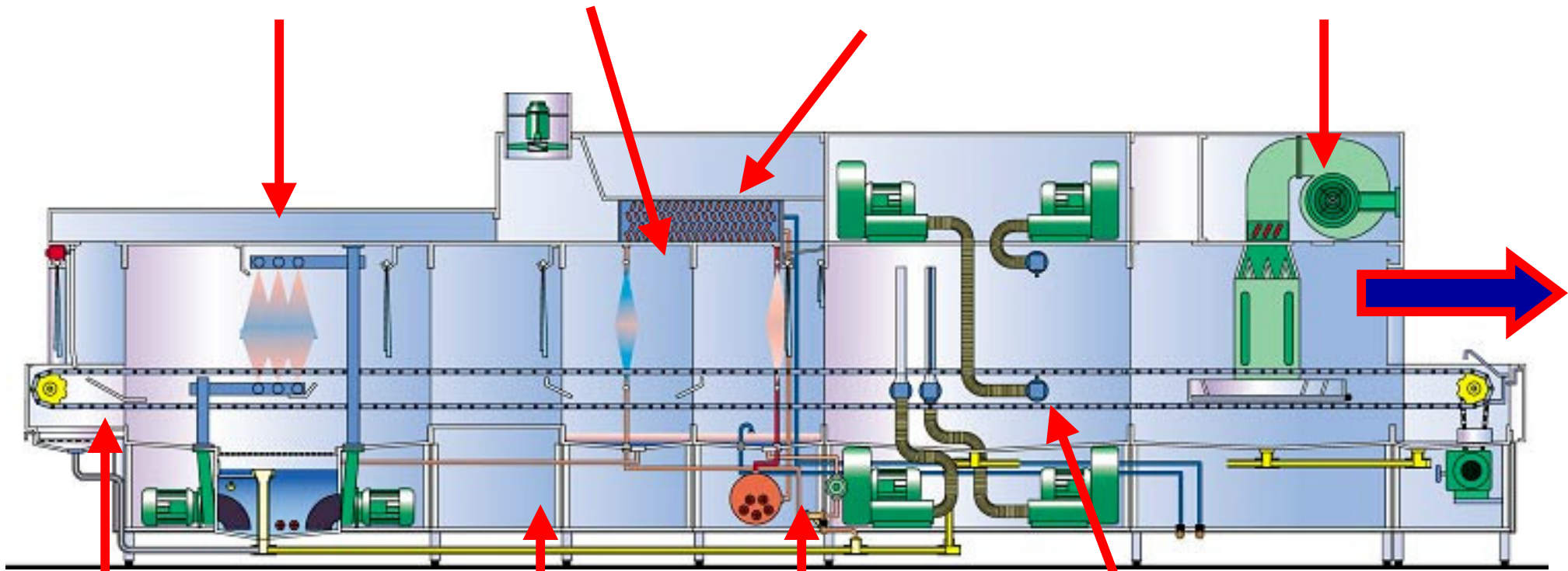
**HOBART**

Wash Model

Rinse Pump

Heat Recovery System

Drying



Entry Section

Neutral Zone

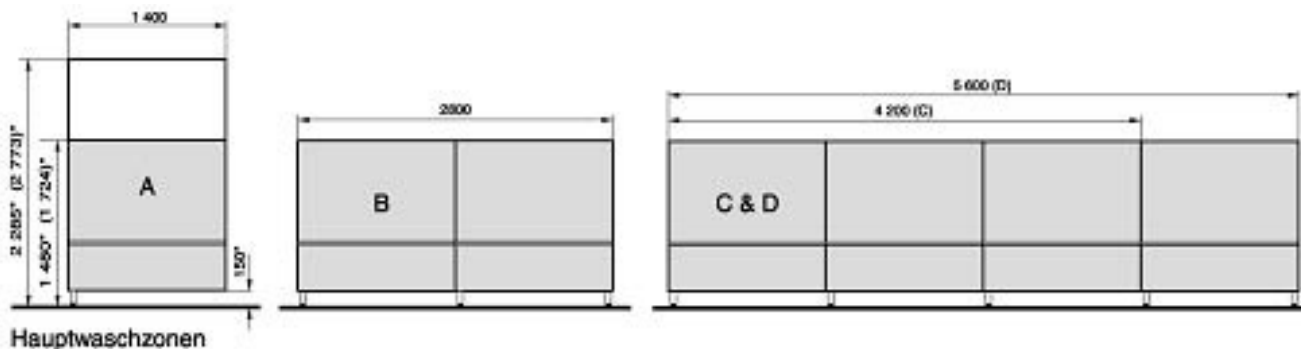
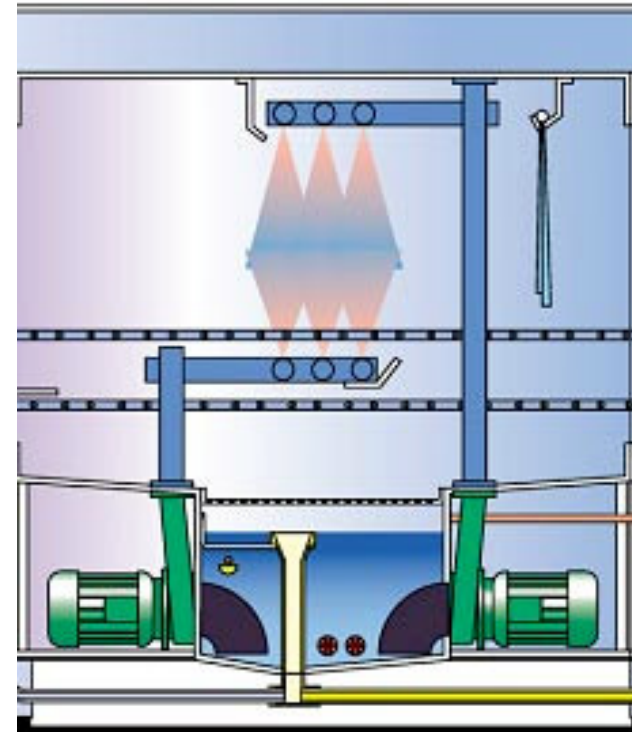
Fresh Water Rinse

Out-Blowing Section

# Washing

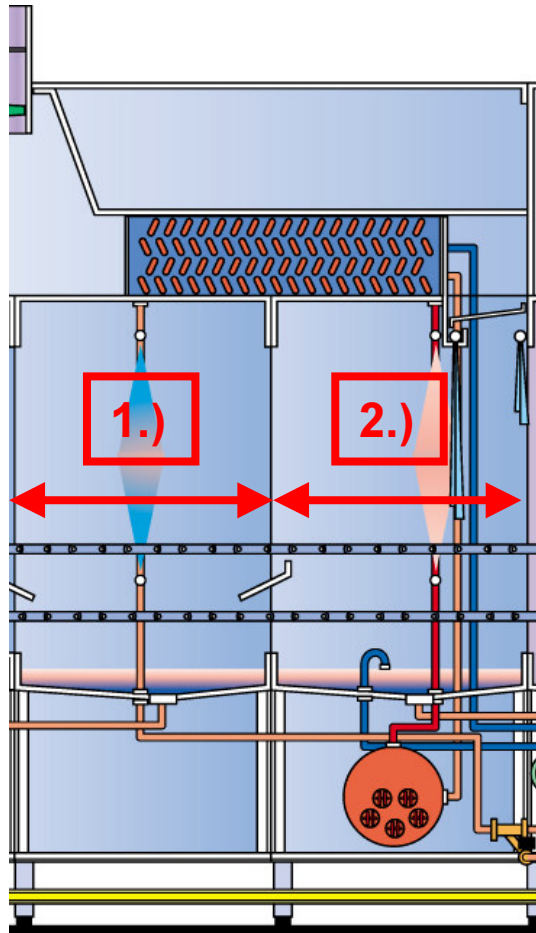
**HOBART**

- ➔ Pump Performance i.e. 2 x 2,2 kW, 2 x 4 kW or Higher
- ➔ Circulation Performance: 300 - 3300 l/min
- ➔ Wash Pressure: 0.6 - 3 bar
- ➔ Tank Heat Between 9 and 24 kW
- ➔ Tank Capacity: 130 - 200 Litre
- ➔ Cascade System With Rinse Water



# Rinse Zones

**HOBART**



## **Pump Rinse Zone (1):**

- ➔ Pump Rinse With Water From the F-Rinse Zone
- ➔ Recirculation: 1200 l/h
- ➔ Energy Savings up to 30 %
- ➔ Temperature: ca. 70 °C

## **Fresh Water Rinse Zone (2):**

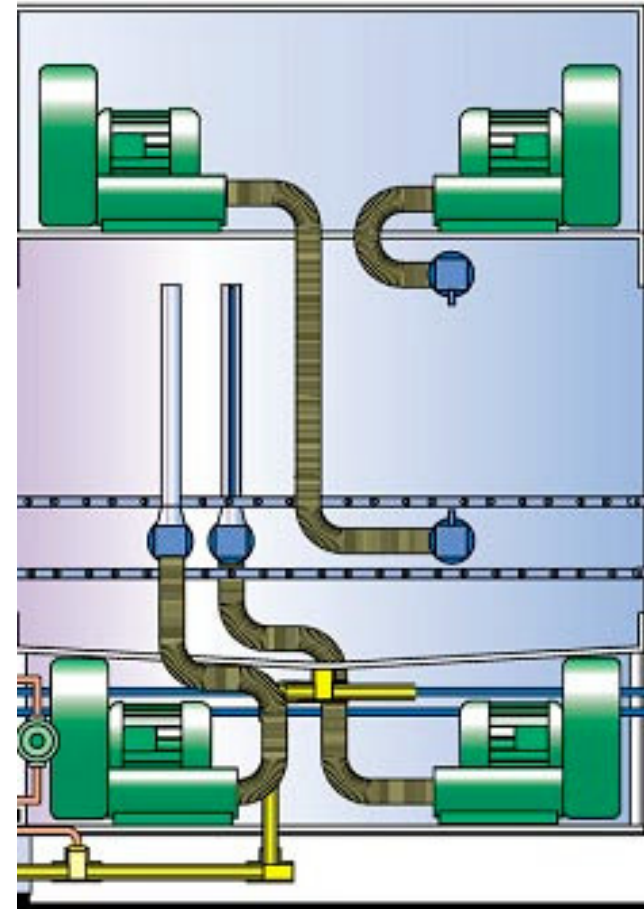
- ➔ Rinse Arms Above and Under or on Sides
- ➔ Fresh Water Consumption: up to 1200 l/h
- ➔ Temperature: ca. 80 °C
- ➔ Booster Heater



# Blowing-Out Zone

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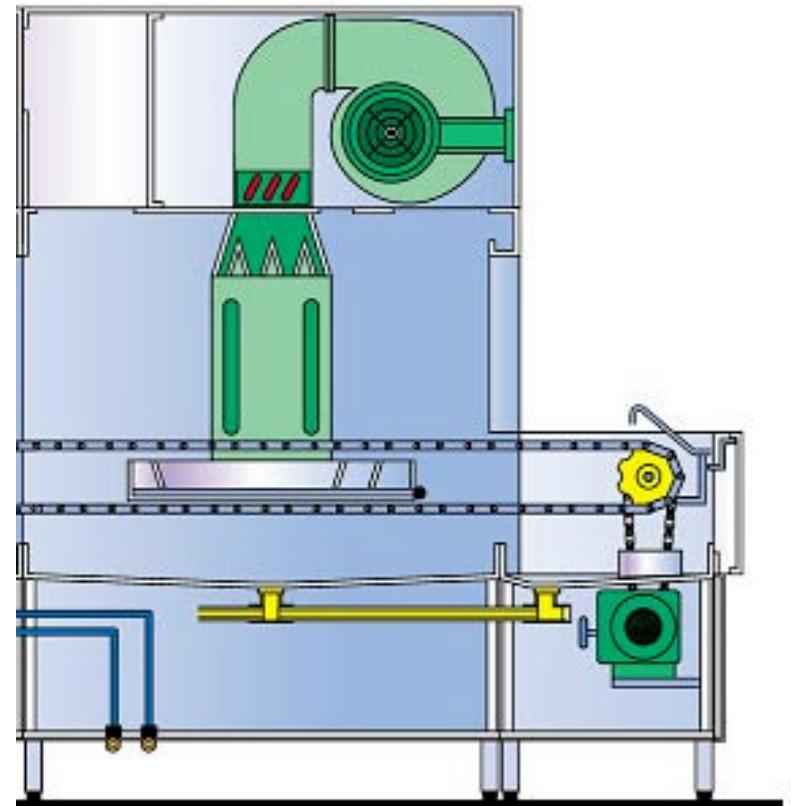
- ➔ Multiple Compressed Air Fans
- ➔ Position of Air Knives/Jets Will Be Suited to the Washed Items
- ➔ Compressed Air With 45 - 65°C on to the Washed Items
- ➔ Remaining Humidity of 0 Gram Can be Guaranteed, Depends on Combination and Number of the Blowing-Out and Drying Zones



# Drying Zone

**HOBART**

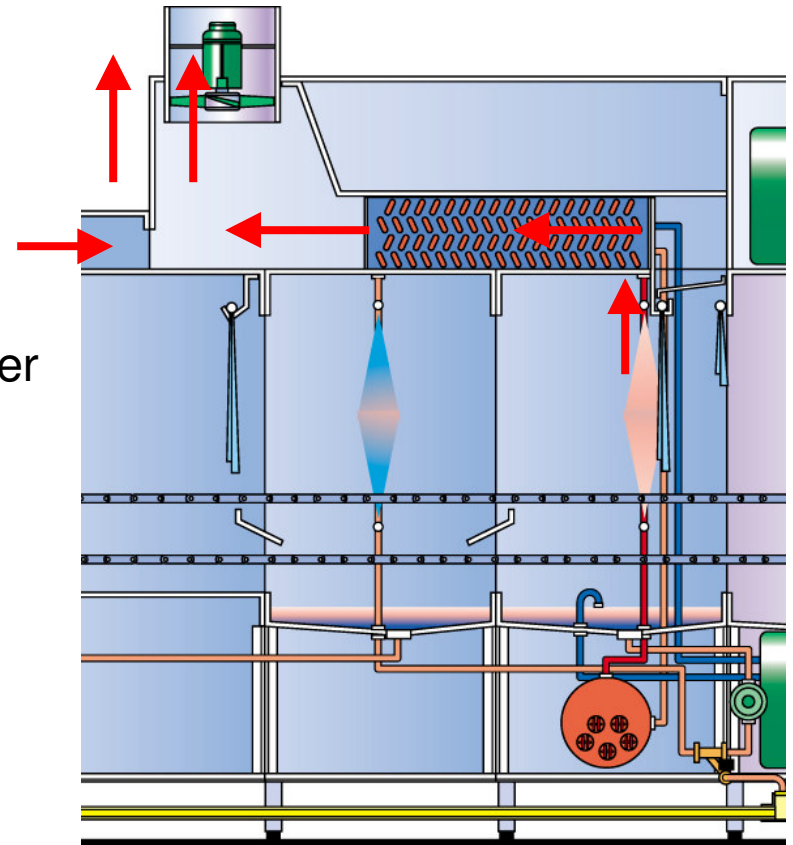
- ➔ 3 kW Ventilator
- ➔ Air Stream 3000/6000 m<sup>3</sup>/h
- ➔ Heating: 9 - 24 kW
- ➔ Temperature: 55 - 70 °C
- ➔ Adjustable Drying Nozzles (optional)



# Heat Recovery

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- ➔ Above Rinse Zone
- ➔ Saving of 8 - 10 kW
- ➔ ca. 1200 m<sup>3</sup> of Exhaust Air Recovered Per Hour Will Be Converted in to Energy
- ➔ Exhaust Air Will be Guided into the Building Ventilation System





Chain System



Conveyor Belt System

Usage of Chain or Conveyor Belt Depends on Crate, Capacity, System!

# Electronic Control System

**HOBART**



- ➔ Adjustable Conveyor Speeds
- ➔ Illuminated Display of Notice of the Machine Function
- ➔ Displays of the Wash and Rinse Temperatures

# PROtronic-Plus Control System (SPS)

**HOBART**



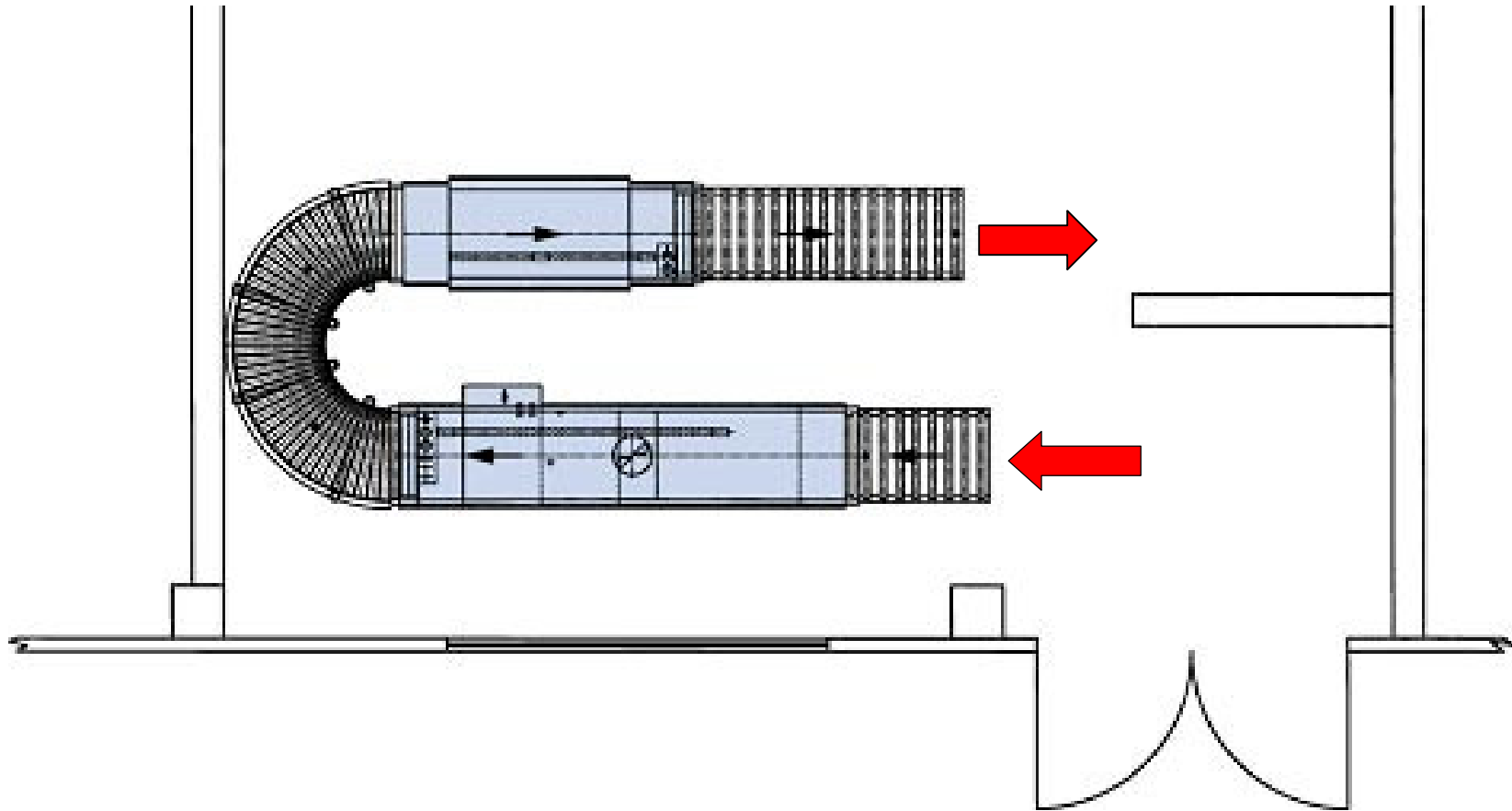
- ➔ 4 - Level Display
- ➔ Detailed Malfunction Display
- ➔ Interface RS 232
- ➔ Variable Adjustable Time Cycles

Option: Visualisierung über die HOBART- Megatronic

Alternativ-Steuerung Siemens S7

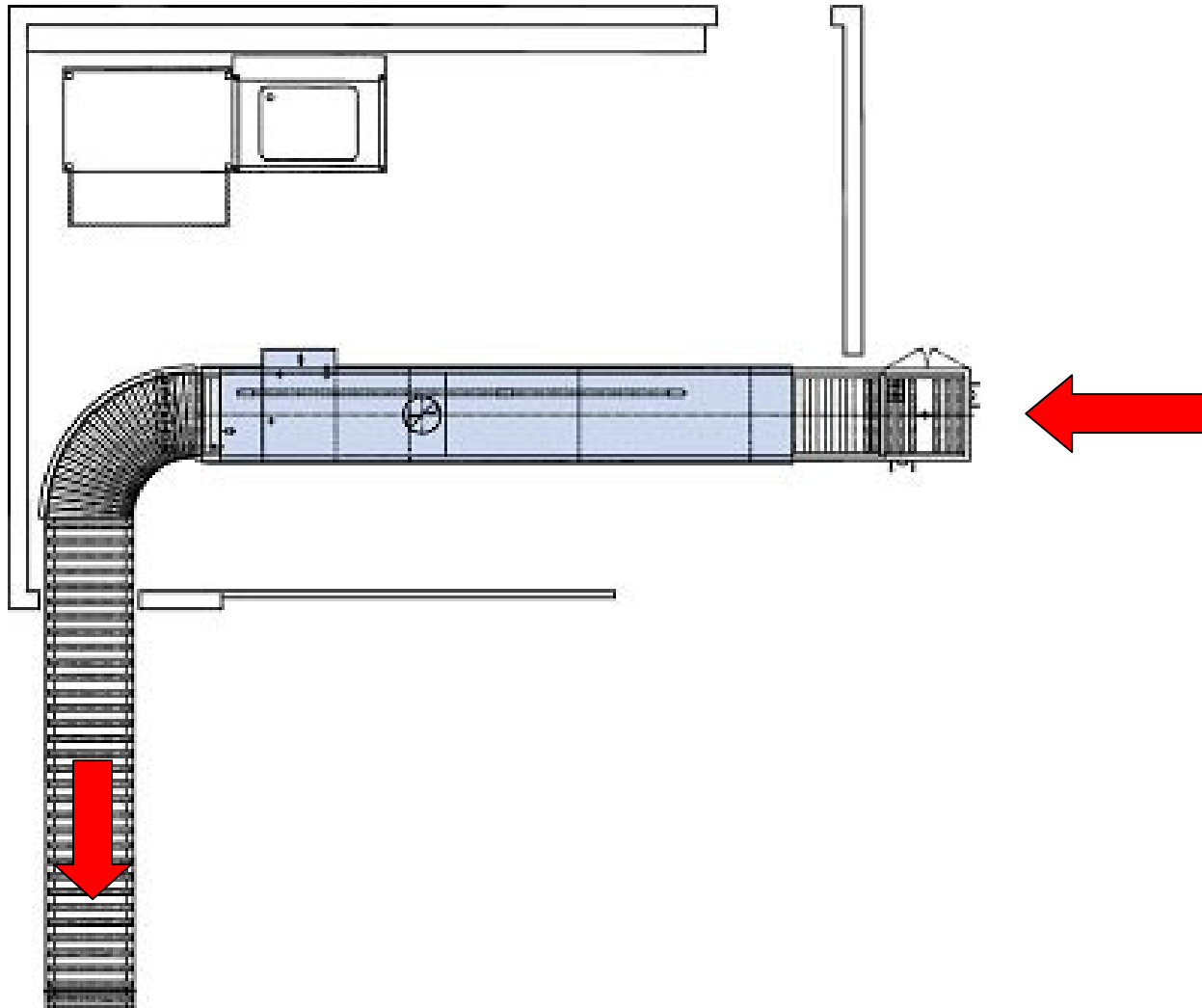
# Sample Planning of FUX

**HOBART**



# Sample Planning of FUX

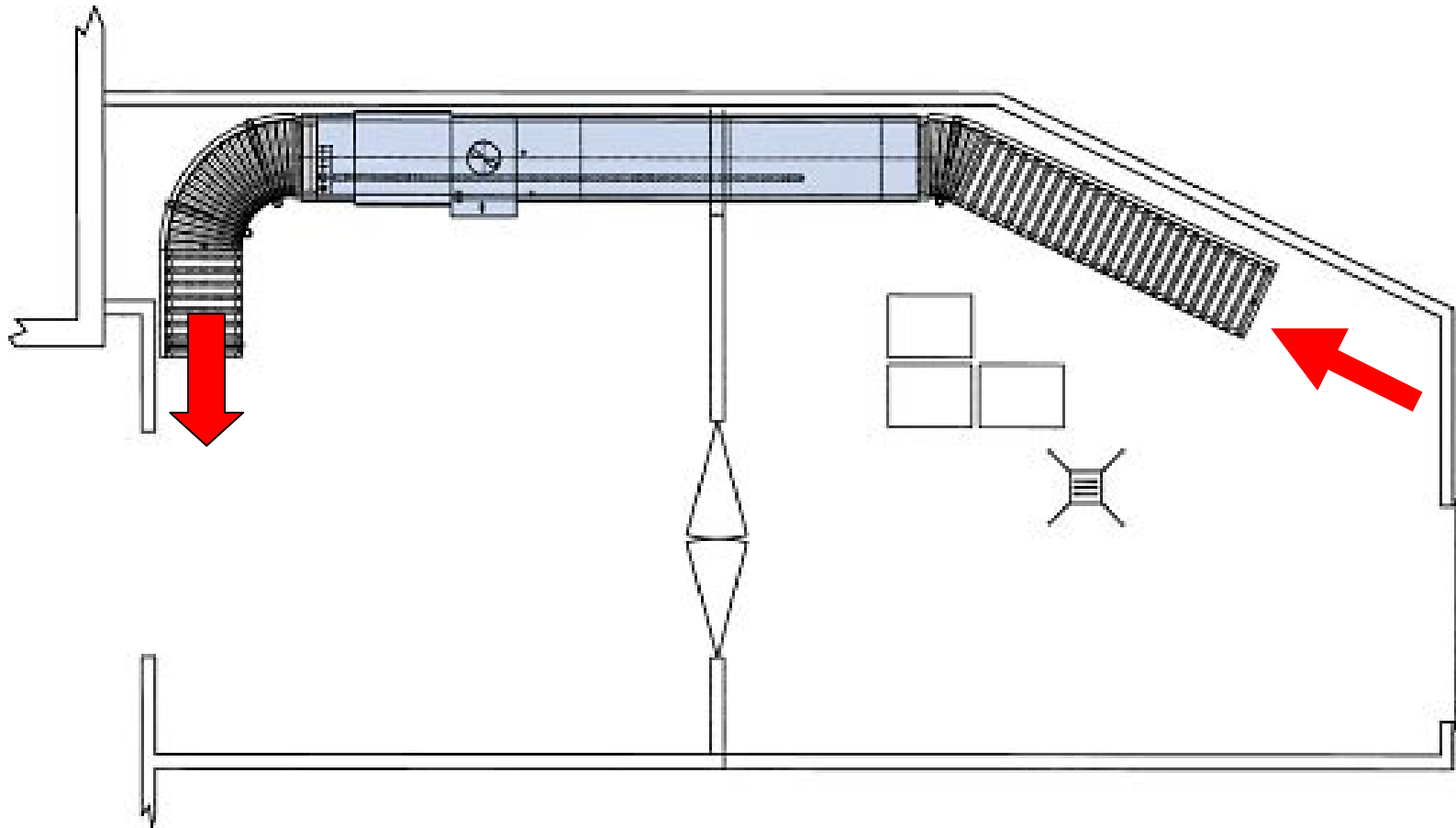
**HOBART**





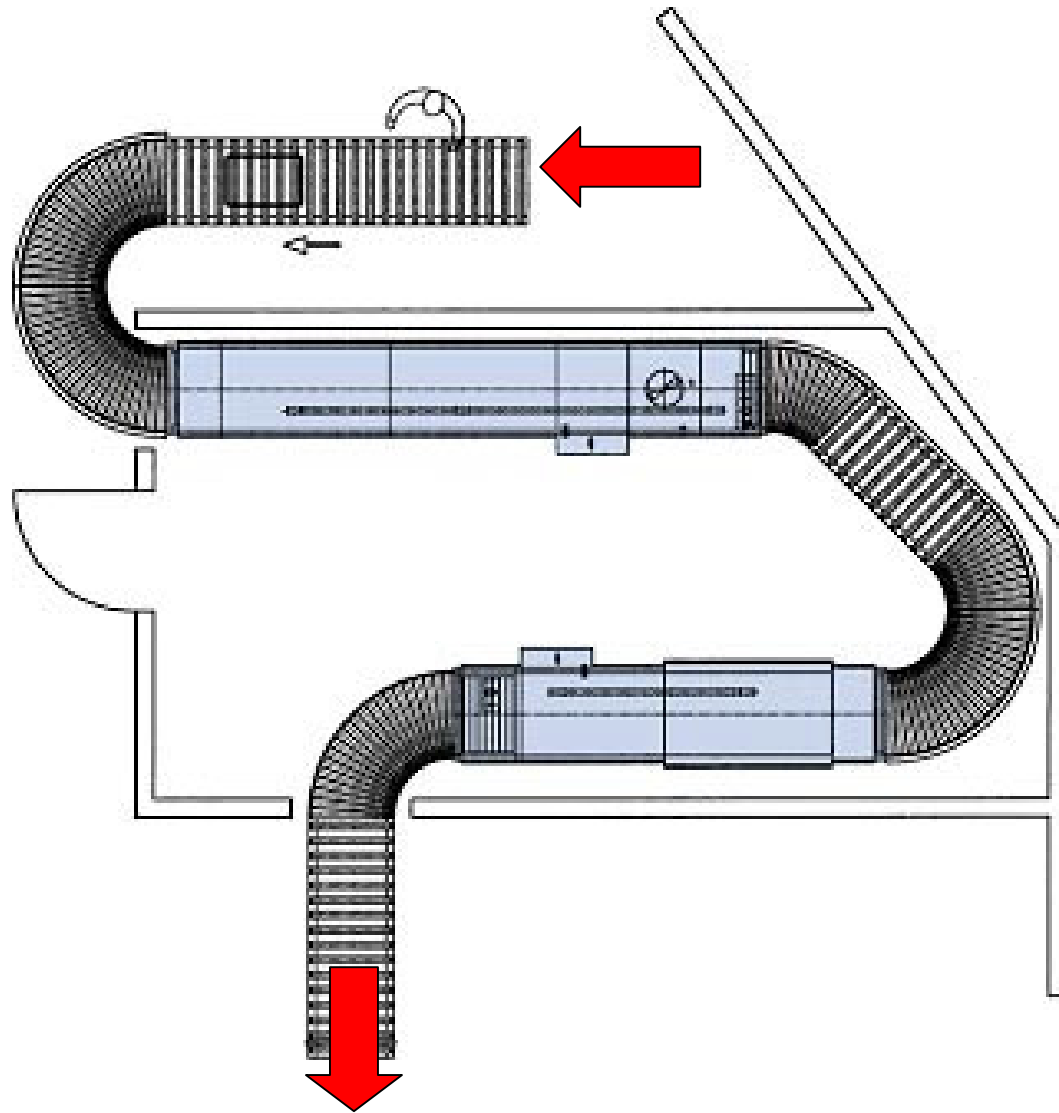
# Sample Planning of FUX

**HOBART**



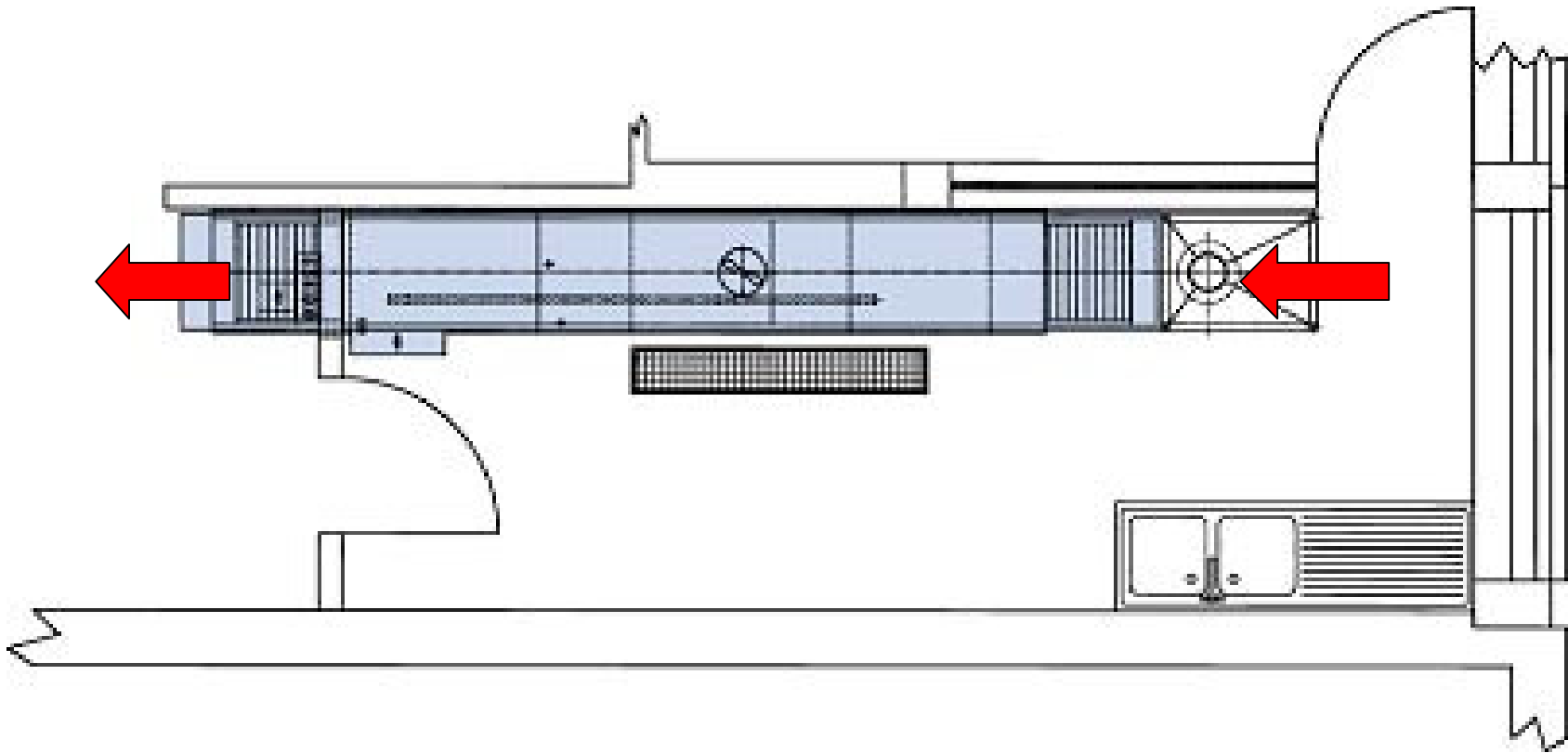
# Sample Planning of FUX

**HOBART**



# Sample Planning of FUX

**HOBART**



# Picture Documentation

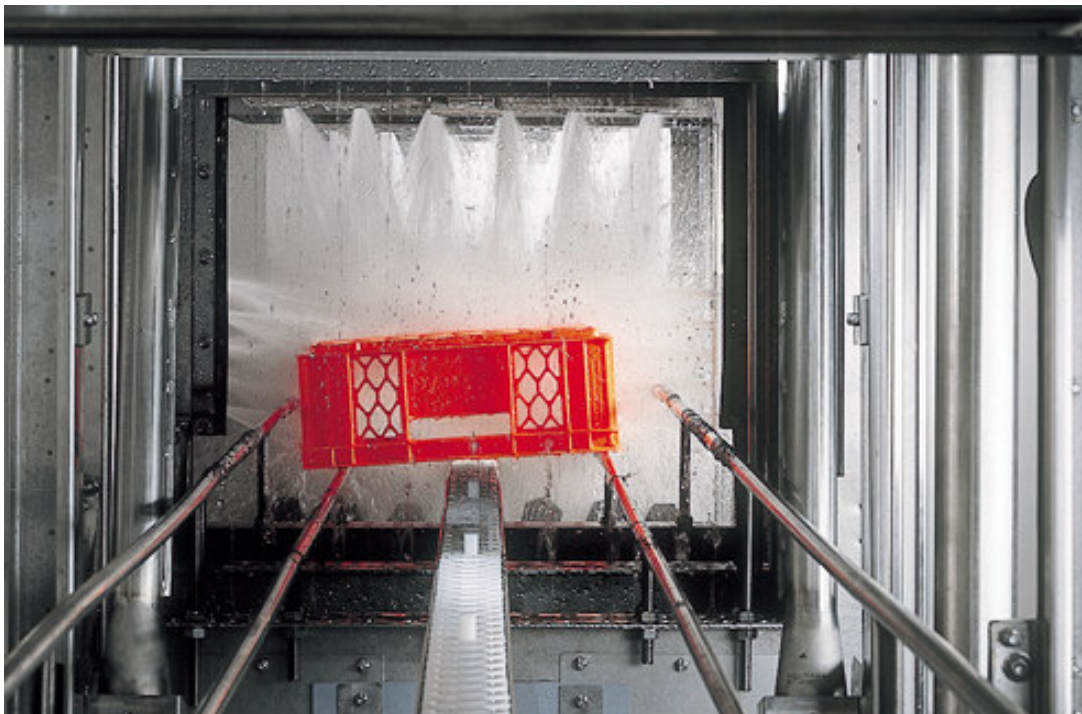
**HOBART**



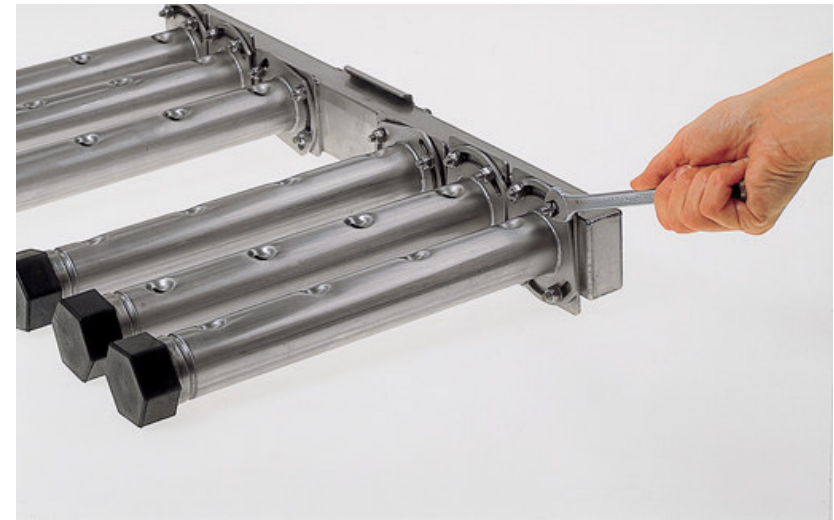
Service Friendly: All Functional Components Have Comfortable Access From the Front Side

# Picture Documentation

**HOBART**



Wash Tunnel With Pattern of Wash Section



Adjustable Wash Arms (Optional)

# Picture Documentation

**HOBART**



Blowing-Out Zone With Adjustable Air Knives



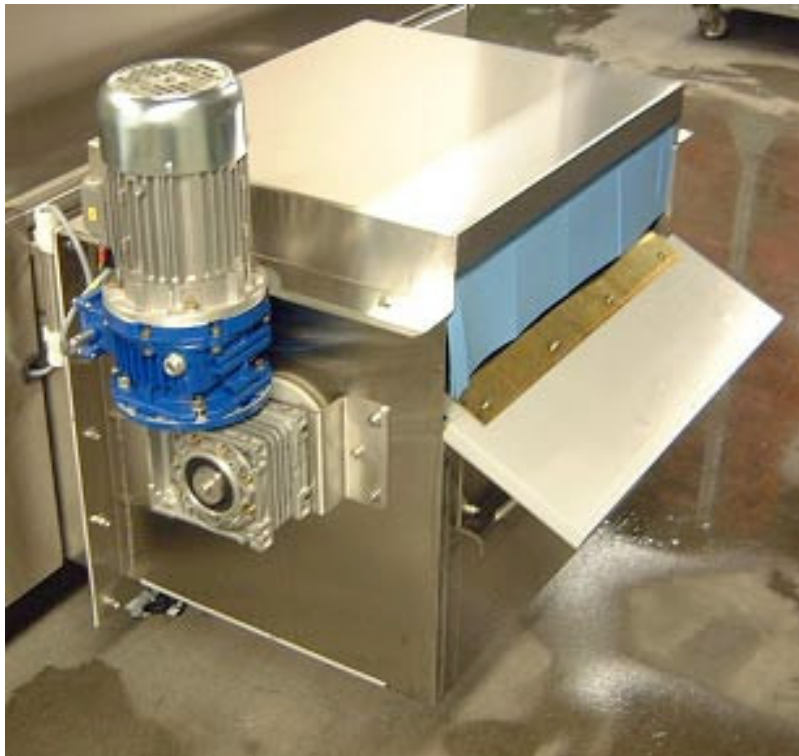
Drying Section With Additional Air Blades



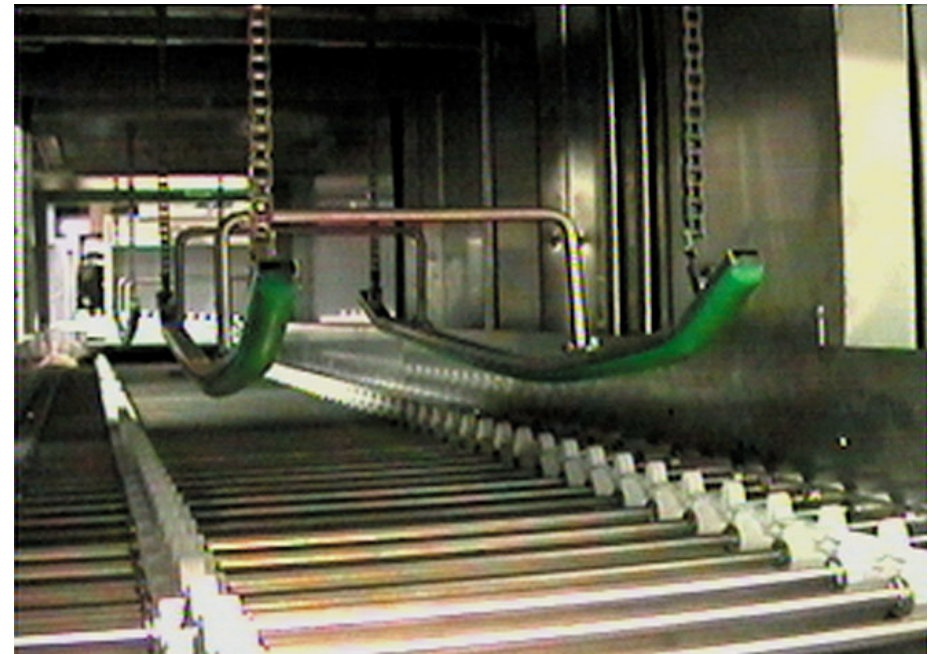
Side Channel Compressor

# Picture Documentation

**HOBART**



External Waste Extractor



Pressure Pads Secure the Washed Products in the Machine

**Thank You Very Much for Your Attention**

**Any Questions...**





# **Going into the Future**

## **Take-Off with HOBART**

**Please Visit Our Website at:**

**[www.hobart.de](http://www.hobart.de)**