



## HUBER solutions for the beverage industry

Efficient machine technology and many years of experience

- ▶ Customised solutions based on best practice
- ▶ High-quality machines in stainless steel design
- ▶ Sites worldwide and local support
- ▶ Laboratory tests and pre-pilot testing

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Machines and applications of HUBER mechanical engineering products in the wastewater process of the beverage industry.

## HUBER solutions for the beverage industry

Wastewater from the beverage industry is characterised most of all by a high content of various solids and process-specific variability. For this purpose, HUBER supplies tailor-made solutions to treat wash water and production wastewater based on standardised machine technology, adapted to the individual composition of each type of water and always oriented towards the required effluent quality and the project-specific requirements.

Depending on requirements, screening systems and fine screens as well as grit and heavy material separators are primarily used to remove the existing solids from the wastewater as well and as early as possible and thus protect and relieve all subsequent aerobic or anaerobic treatment steps.

HUBER also provides solutions for the treatment of effluent from existing plants, e.g. to meet the more stringent requirements regarding phosphorus limits or new standards for effluent and discharge temperatures. Great importance is attached to the optimal integration of HUBER machinery into existing process chains.

HUBER creates project-specific treatment concepts for thickening or dewatering the sludge generated in the course of in-house biological wastewater treatment, taking into account the optimum disposal path for the customer.

We create customised solutions from our range of machines for mechanical wastewater pretreatment and systems for effluent treatment as well as sludge treatment. Prior laboratory or pilot tests on site provide a high degree of security for customers and operators.

As we manufacture almost all components ourselves in stainless steel, individual adaptations based on best practice can be made quickly and easily and the number of interfaces can be reduced to a minimum. Different requirements with regard to material quality (e.g. due to salinity) are met by selecting the appropriate material.

## Machines and products

- ▶ Wastewater screens with screenings compaction
- ▶ Grit and heavy material separators
- ▶ Sludge thickening and dewatering
- ▶ Heat exchanger for energy recovery and wastewater cooling
- ▶ Flotation plants for solids separation



HUBER screens and fine screens as well as grit and heavy material separators for the best possible and project-specific mechanical treatment of wash water and production wastewater from breweries, the fruit juice industry as well as from the production of mineral water and other alcoholic and non-alcoholic beverages

– efficient, durable, tried and tested.

## References and installation examples



*HUBER Screw Presses for sludge treatment in container design – optimum dewatering performance without complex construction work and ready for immediate use.*



*HUBER Dissolved Air Flotations Plants with chemical stage for activated sludge separation – the solution to relieve overloaded biological treatment plants.*



*Preliminary laboratory or on-site tests to determine operating parameters and effluent values – maximum safety for customers and operators.*



*HUBER Wastewater Heat Exchanger – energy recuperation and wastewater cooling.*

### **HUBER SE**

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