

DECANTER CENTRIFUGES & PLANTS FOR SOLID/LIQUID SEPARATION



TREATMENT OF DRILLING -EMULSION, -SLUDGE AND -FLUID - WITH HILLER DECANTER TECHNOLOGY

EFFICIENT DEWATERING AND PROCESSING IN TUNNEL BUILDING

In our experience tunnels are always an important element for today's infrastructure. Additionally, geothermal energy has become important in the search for renewable energies. Stronger environmental laws and growing costs at landfills is making efficient solid/liquid separation essential.

With our experience we can support our customers in meeting the requirements efficiently and economically, thereby finding the optimal solutions.

Depending on the local conditions and the type of tunnel project, decanters can fulfill the following tasks:

- dewatering of drilling sludge
- processing of drilling fluids
- separation of drilling emulsions
- Tunnel dewatering

HILLER - ADVANTAGES

- obtaining the highest yields of dry matter
- reducing the energy use through efficient operating methods
- reducing maintenance costs via longer equipment lifespan, greater service intervals and shorter repair time
- greater degree of automisation and easier operation
- more effective wear protection

ECONOMY & ENVIRONMENT

The enormous savings on operation costs and the high purity of the end product lead to reduced time in achieving a return on investment.

Additional to the protection of the environment, the HILLER decanter technology achieves a high degree of economic efficiency, as well as processing efficiencies through lower energy and polymer use, and high purity of the end product.

To this end HILLER delivers, in accordance with customer requirements and needs, centrifuges as partial or complete solutions, with suitable components ready-built, in compact or turn-key plants, along with support for the design and optimisation of the process.



HIGHEST RELIABILITY & BEST SEPARATION RESULTS

Major concerns in tunnel construction relate to the lifespan of the equipment and the number of outages which can lead to costly time overruns.

Therefore, equipment reliability, resulting in unhindered progress in such demanding tunnelling projects, is vitally important.

HILLER centrifuges meet these demands through the particularly simple flexibility of the robust and stable equipment, even in fluctuating flow conditions.

In the discharge the HILLER decanter achieves excellent separation results which leads to lower disposal costs and, because the fluids from the drilling emulsion are efficiently separated even where there is high saturation, there is a reduction in energy use and in flocculants.

HILLER - ADVANTAGES

- reduced servicing by personnel (less control and supervision)
- maximal solid/fluid separation
- reduction in disposal costs
- effective removal of small particles
- reduction of the amount of sludge in drilling emulsion
- cost savings for maintenance and servicing
- less wear and tear, especially on pumps and drills
- longer lifespan

