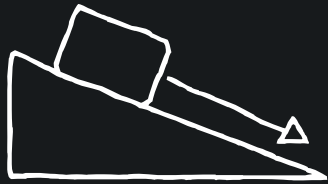




For an environmentally friendly
and more efficient industry



Leonardo Da Vinci conducted observations on the „inclined plane“ and is therefore one of the inventors of the classical friction laws.



Applied Physics of Life.

Decanters in the Leather Industries



“Inequality is the cause of all movements”
Leonardo Da Vinci (1452 - 1519)

Principle of operation

Applications in the Leather Industry

- Wastewater solids removal and clarification
- Sludge dewatering
- Chrome recovery
- Fleshings treatment
- DAF sludge dewatering
- Limeyard effluent
- Dyehouse effluent
- Finishing shop effluent



HILLER DecaPress®
State of the art in dewatering
technology

If your application has not been mentioned, please talk
to us: we have the solution.

HILLER's engineers, as part of ongoing research and innovation, have developed solutions that can help the leather industry to be more environmentally friendly together with increased production efficiency.

Our technology makes it possible to replace the primary stage of a wastewater plant by specially designed decanter centrifuges that will remove all solids, producing a clarified centrate and dry cake.

Biological and chemical pollution can be reduced to levels that in some cases allows the centrate to be directly discharged from the site.

In addition, sludge produced at the biological process can be dewatered by the same machine, resulting in an efficient installation at a low capital cost.

Features:

- Fully automatic and stable control
- All modern scroll drive systems
- 24-hour service
- Product-contact parts available in stainless steel or highly resistant carbon steel



Decanters that will perform beyond your expectations



Modular installations

Hiller decanters for tannery wastewater treatment, do not only offer an economical and efficient solution, but also the advantage of modular installation. If production is increased, the resulting effluent can be treated simply by installing additional decanters.

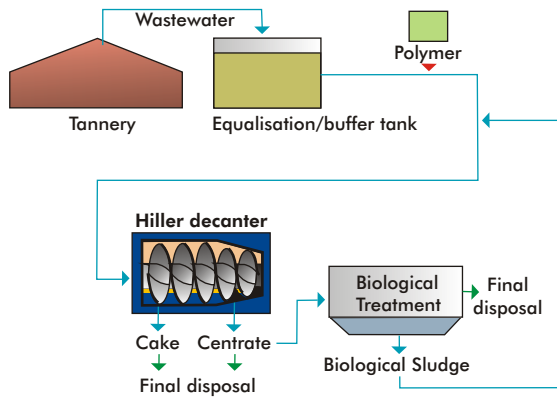
Sustainable development

The use of Hiller DecaPress® series in the leather industry represents a great step towards minimising the environment impact within the plant and the neighbouring community. Odour can be virtually eliminated, eliminating the need for special enclosures and air filtration. For a large number of companies, this has been a key factor in deciding on the most suitable system from an environmental point of view.

Reliable and maintenance free operation

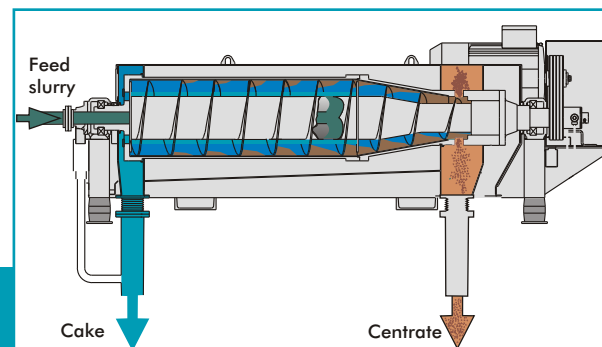
Hiller decanters will run 24 hrs per day for extended periods, only requiring lubrication service. All wear surfaces are specially treated according to the type of product to be processed. The automated control of these machines prevents any overloading that could affect the lifetime of the decanter. Our service engineers will make planned visits to the plant to make sure that our equipment is running to the full satisfaction of our clients.

Hiller - DecaPress® High-tech process for the leather industries



Mechanical features

- Designs for operation at high temperatures
- Various wear protection systems available
- Gas-tight designs for hazardous environments
- Liquid discharge by open gravity systems or with externally adjustable centripetal pump



Economy and quality

- Very little operator attendance required
- Highest cake dryness minimises disposal costs
- Simple and service-friendly design
- Low specific power consumption per unit product processed













DecaPress® Product Series

Type	DP26-422	DP31-422	DP37-422	DP45-422	DP54-422	DP66-422	DP76-422	DP84-422
Capacity	1 m ³ /h up to 150 m ³ /h							

DecaThick® Product Series

Type	DT26-422	DT31-422	DT37-422	DT45-422	DT54-422	DT66-422	DT76-422	DT84-422
Capacity	3 m ³ /h up to 200 m ³ /h							

We have experience in the following sectors and special applications

-  Foods and beverages / DecaFood®
-  Olivoil / OV®
-  Oils and Fats / DecaOil®
-  Classification / DecaClass®
-  Chemical and Pharmaceutical Industries / DecaChem® / DecaPharm®
-  Recovery and sorting of plastics / DecaSort®
-  Communal and industrial sewage plants, Leather Industrie / DecaPress® / DecaThick® / DecaDrain®
-  Tunnel construction / DecaPress®

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