

Centrifuge Engineering is the proud and exclusive sales and service partner for HAUS Centrifuge in the Southern African region.

[www.centrifuge.co.za](http://www.centrifuge.co.za)



**HAUS**  
CENTRIFUGE TECHNOLOGIES



## About Us

Being leader in development and manufacturing of modern, high capacity continuous industrial type decanters, HAKKI USTA started its activities in 1954 in Aydın with repair and renewing of various types of water pumps and presses. The company has manufactured the first olive oil press in the region in 1962. First olive oil production facility with decanter is manufactured by Ömer and Ahmet Gözlüklü brothers in the region in 1989.

Today, having the ability to manufacture 300 decanters per year with 285 employees based on 32.000 m<sup>2</sup> field, the company has ISO 9001:2000 and TSEK certificates. The safety precautions of machines in work places and their compatibility with CE directives are approved by TÜV. Hakkı Usta manufactures decanter centrifuges and separators for waste water and potable water treatment facilities, oil fields, drilling industry, beverage industry, animal and vegetable fat processing and extraction industry, starch industry as well as chemical and pharmaceutical industry.

In 2010 HAKKI USTA with HAUS Centrifuge Technologies, sales firm founded in İstanbul, by accomplishing brand registration globally and in abroad achieved a world class corporate identity.

HAUS Centrifuge Technologies has been founded in May 2010 as an affiliated company of Hakkı Usta Oğulları Mak. San. Tic. Ltd. Şti. HAUS Centrifuge Technologies provides decanter centrifuges, disk stack separators and auxiliary equipments for industrial, environmental, and food applications.



# Organization

## HAUS

- R & D
- PRODUCTION
- AFTER SALES OPERATIONS
- MARKETING
- CUSTOMER RELATIONS
- PROJECT FOLLOW UP
- SALES
- AFTER SALES

# Success Stories

- 1954 HAKKI USTA was established in Aydın.
- 1962 The first olive oil press is manufactured in its region.
- 1989 The company achieved a great success by manufacturing first continuous system olive oil plant in Turkey.
- 1998 First export job was realized.
- 2003 The company obtained ISO 9001:2000 certification.
- 2005 500<sup>th</sup> decanter was exported to Italy.
- 2006 Drive System and PLC system that made adjustable without the human intervention were developed.
- 2008 Oily sludge dewatering project in Tüpraş Aliağa Plant was carried out with success.
- 2010 Centrifuge Technologies was founded as a sales and marketing company.
- 2011 HAUS Centrifuge Technology has been awarded for the sludge dewatering tender of ASKI TATLAR Waste Water Treatment Plant, the biggest WWTP capacity in Turkey.
- 2012 HAUS EUROPE BV. was established in Netherland.
- 2013 HAUS continues to expand its distribution network all over the world.

# More Than A Machine

## Decanter

A centrifuge decanter; consists of a solid cylindrical bowl rotating at high speed, a scroll rotating at the same axis with a slightly different speed, a drive group adjusting the speed difference and the body which carries all the rotating elements. Liquid and suspended solids are fed along the centre line to a distribution room within the bowl and then accelerated into the bowl by centrifugal force through the feeding point. This centrifugal force then causes the suspended solids to settle and accumulate at the bowl wall. Sludge cake is discharged by scroll from the conical part meanwhile clarified liquid flows back along the bowl and is discharged through the cylindrical end of the bowl by plates which can adjust the level of clarified liquid. Centrifuge decanters are applied for separation of liquid mixtures, separation of solid-liquid mixtures, dewatering, thickening, classification of solid-liquid mixtures and extraction of components.



## Separators

Separators are designed to clarify the liquid in liquid-solid mixture or for liquid-liquid separation in the liquid-liquid-solid mixtures. General principle is providing the solids extraction from the environment continuously and fast, by mechanically separating different liquid and solid phases in order to meet the need of modern industrial processes.



## Product Range

Decanters (1 - 250 m<sup>3</sup>/h)



## Separators (4 - 15 m<sup>3</sup>/h)



## Olive Oil Product Group



# Mobile Units

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HAUS offers mobile units for onsite tests from 5 m<sup>3</sup>/h to 75m<sup>3</sup>/h which are designed by HAUS engineers for all kind of applications.



## All Functions In A Compact Design and Wide Product Range

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Space saving with less space requirement.

Hygienic working environment with bad smell blocking and enclosed design.

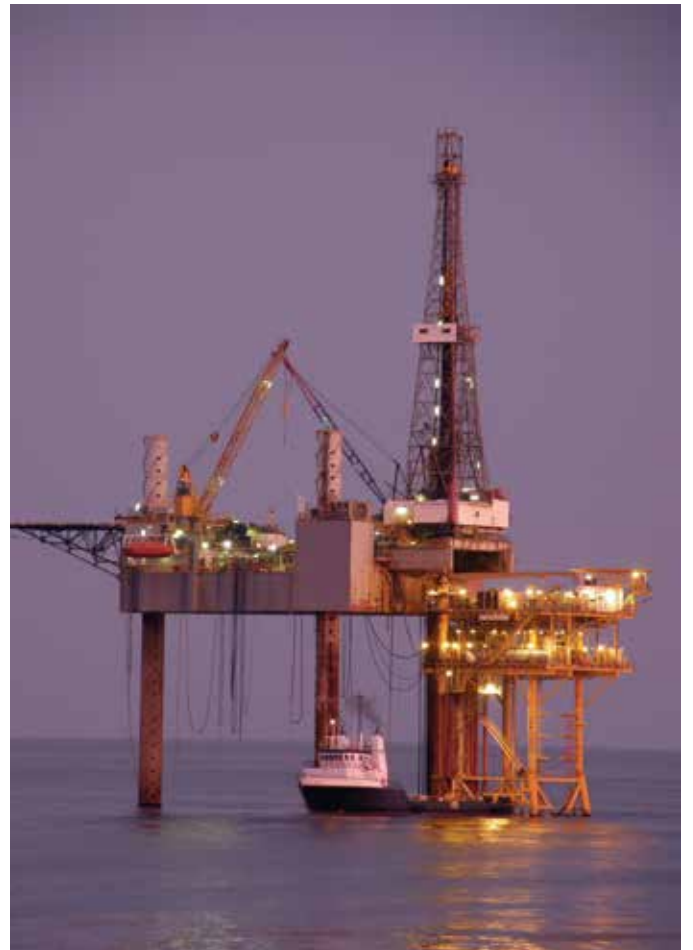
Different capacities with 12 decanter models from 1m<sup>3</sup>/h up to 150 m<sup>3</sup>/h.



# Application Areas

## Environmental Applications

- Potable Water Treatment Plants
- Municipal Waste Water Treatment Plants
- Industrial Waste Water Treatment Plants
- Iron and Steel Industry Treatment Plants
- Tannery Waste Treatment Plants
- Power Plant Treatment Plants
- Paper Production Mills Treatment Plants
- Slaughterhouse Treatment Plants
- Biogas Plants
- Sludge Thickening Applications
- Mobile Units



## Food Applications

- Fruit Juice
- Alcoholic Beverages
- Sesame Oil
- Palm Oil
- Cacao Oil
- Edible Oil
- Fish Oil
- Avocado Oil
- Wine
- Vegetable Juice
- Starch and Yeast



## Industrial Applications

- Cleaning and Disposal of Slop Oil
- Treatment of Drilling Mud
- Treatment of Tannery Products
- Tunnelling



## Olive Oil Applications

- Mini Continuous Facilities
- Industrial Continuous Facilities
- Pomace Facilities





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