

CT - DECANter CENTRIFUGE

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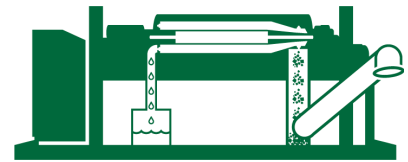
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CENTRIFUGE DEWATERING TECHNOLOGY

At CentriTech we have developed several innovative improvements and solutions by using cross-industry process know-how from overseas and local operations to provide positive development for our customers. Our mission is to supply and support our clients with our services and solutions for the large variety of challenging applications in sludge & slurry dewatering and solids-liquids separation in industrial process and also in a range of food, beverage and oil & fat processing applications.

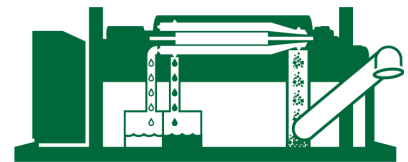
*2 phase Decaners for
solid / liquid separation*



CentriTech Centrifugal Separation and Clarification

Equipment adopts high-quality stainless steels for main wetted parts, and a range of inlay hard alloy and ceramic parts to improve anti-corrosion and abrasion resistance. In addition, we integrate a higher separation factor, larger clarification area, optimized feed system, drive system design and adjustable parameter control automation, all of which provides optimal dewatering, clarification & separation efficiency and economy.

*3 phase Tricaners for
solid / liquid / liquid separation*



We can offer savings with brand independent service

Maintenance, Field Service, Spare Parts and Repair Service for your existing Centrifuges, Decaners and Tricaners to the best industry practice at competitive, fair prices for the most reliable long-term service - saving you money and down-time.

*"most robust and maintenance
friendly decanter centrifuge and
best of class in investment cost
and cost of ownership"*



Plug & Play - sludge dewatering unit with CT-450 decanter centrifuge - location Germany

our expertise at your service

- Centrifuges
- Decaners
- Tricaners
- Turn-Key Projects
- Dewatering Systems
- Customized Systems



CT-530 and CT-350 with bearing temperature monitoring and automatic greasing system

References

The CT decanter range is based on German design with over 60 years manufacturing history.

Reference installations can be found worldwide and in Australia.

Please contact us to discuss your requirements.

Decanter Centrifuge READY

YOUR BENEFITS:

Quick delivery

Simple and Robust design

Simple and Robust maintenance

Best Capital Cost to Performance Ratio

Best in Cost of Ownership

24 months Mechanical Warranties

Dewatering System with:

Customised Decanter Features

Customised Skid-Packages

Customised Control System

Customised Solids Cake Conveyor

Customised Sludge Feed Pumps

Customised Poly Dosing System



Wear protection

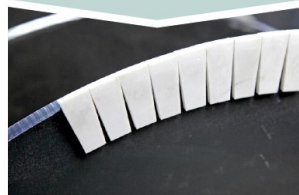
Wolframcarbid



Tungsten plates



Ceramic plates



Drives

Planet



Cyclo



Hydraulic



Some Variable Features

Pool Depth

Wear protection

Scroll Drive System

Corrosion protection

Stainless Alloy Grade

Cone and Bowl Angle

Scroll Design and Pitch

Exchangeable wear parts

Explosion and Flame Proof

Electrical Control Design

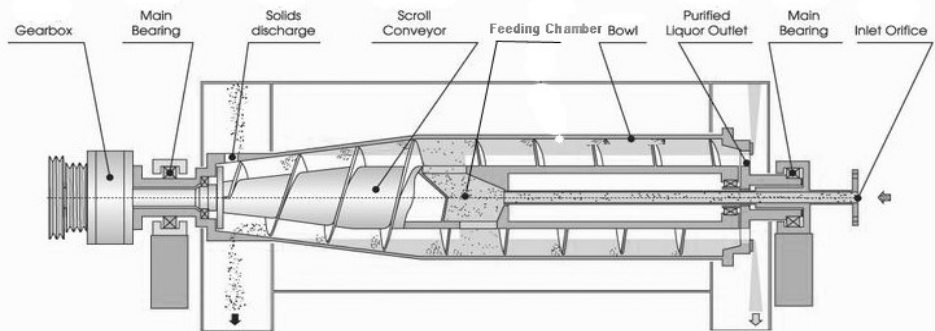
Machine Colour

Applications

- Industrial Waste Water
- Municipal Waste Water
- Water Treatment
- Dredging and Tunneling
- Drilling Muds and Fluids
- Coal Fines Recovery
- Tailings and Minerals
- Oils and Fats Recovery
- Hydrocarbon Sludge



Large Range of Machine Sizes from 0.5 - 200 m3/h capacity + quickest delivery



Operating Principle

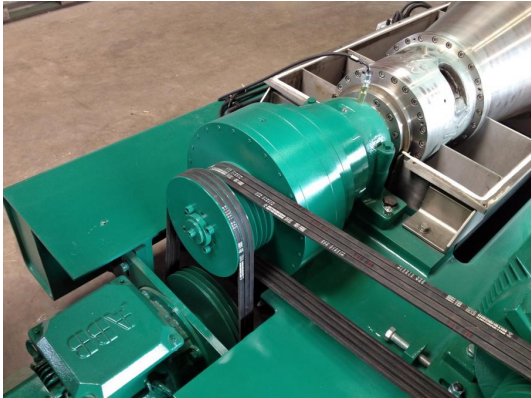
Feed Suspension enters the bowl via the feed tube and spiral feed inlet chamber under the action of centrifugal force. Solid particles with larger specific gravity will deposit on the periphery wall of the bowl, and the screw blades constantly convey the solid cake deposits toward the solids discharge. The clarified liquid overflows out of the bowl via the pool adjustable plates. The relative motion (differential speed) between scroll conveyor and bowl, is achieved through the gearbox and is controlled by the secondary motor, and thus the centrifuge provides continuous solids-liquids separation.

- Olive Oil & Avocado Oil
- Starch, Protein and Yeast
- Organic Waste and Grease
- Fish and Animal Rendering
- Hygienic & Sanitary Process
- Beverage and Juice

“The CentriTech CT model solids-bowl decanters are very popular for heavy duty dewatering applications because of its robustness, economic benefits and process flexibility.”

Model	CT-350	CT-450	CT-530	CT-650	CT-760	CT-900
Drive Motors	20kW + 11kW	30kW + 11kW	45kW + 15kW	90kW + 30kW	132kW + 55kW	200kW + 90kW
Max Feed Flow	20m3/hr	35m3/hr	50m3/hr	80m3/hr	150m3/hr	200m3/hr
Max Solids Discharge	2m3/hr	3.5m3/hr	5m3/hr	10m3/hr	20m3/hr	30m3/hr
Centrifuge	~2,000kg	~3,500kg	~5,000kg	~8,500kg	~15,000kg	~20,000kg
Centrifuge Dimensions	280*130*90	330*150*95	380*160*110	430*190*135	500*250*150	650*270*150

After-Sales Service & Support for Centrifuges and Separators



Our after-sales service and spare parts for Centrifuges, Decaners and Tricanter, are of the highest quality.

We deliver wear, structural and service reports for your machine, and we can also perform workshop test runs with vibration analysis for future maintenance planning.

Our Field-Service and Repair -

Overhaul - Reconditioning services are backed by decades of experience and completely performed in Australia to Australian industry standards.

We offer **maintenance plans** and **reliability contracts** to provide our customers with fixed cost agreements and therefore fully transparent maintenance costs and budgets.

We aim to save our customers 30 - 50%

For example, we aim to generate savings of 30 - 50% compared to an equivalent service (parts and labour) performed by GEA, Andritz, Peralisi, Alfa and others.

SAVE your CASH

CentriTech can save you money on the Maintenance and Spare Parts of your Centrifuges and Decaners.

We support the following brands of equipment and many more not listed:

GEA Westfalia Separator

Alfa Laval Andritz

Flottweg Amenduni

Sharples Peralisi

KHD Humboldt



Mobile centrifuge dewatering unit with CT-350 decanter centrifuge - location Germany

Contact Us

Give us a call for more information about our services and centrifuges

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