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.

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.

We can offer savings with brand independent service
Maintenance, Field Service, Spare Parts and Repair Service for your existing Centrifuges, Decanters and Tricanters 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”

our expertise at your service
- Centrifuges
- Decanters
- Tricanters
- Turn-Key Projects
- Dewatering Systems
- Customized Systems

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

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.

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

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.

Model | CT-350 | CT-450 | CT-530 | CT-650 | CT-760 | CT-900
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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, Decanters and Tricanters, 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 Decanters.

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

- GEA Westfalia Separator
- Alfa Laval Andritz
- Flottweg Amenduni
- Sharples Peralisi
- KHD Humboldt

Contact Us

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

CentriTech Pty Ltd
Melbourne, Australia

Sascha Wieking
ph 0408 836 697
info@centritech.com.au
visit us on the web at www.centritech.com.au