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Environmental Services

Alfa Laval Decanter Centrifuge Sales & Rentals

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About Us

DTS, established in 2009, is a leading provider of advanced decanter centrifuge equipment and comprehensive waste stream management solutions, serving a wide range of industries including manufacturing, construction, mining and mineral processing, industrial waste, food and beverage, energy, chemical and pharmaceutical, landfills, wastewater, and utilities.

As the Master Distributor for Alfa Laval, DTS benefits from access to state-of-the-art separation technology, capitalizing on the expertise of a leading manufacturer in the dewatering industry.

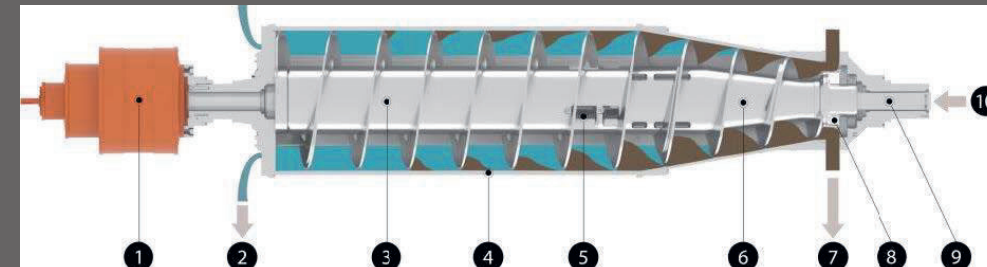
DTS not only offers sales of decanter centrifuges but also provides flexible rental options, including both short-term and long-term solutions. Whether you're seeking temporary equipment for a specific project or a longer-term rental to suit operational needs, DTS can deliver tailored solutions. Along with the centrifuge, DTS provides a full suite of auxiliary equipment ensuring a seamless and complete setup for your dewatering and waste management processes.

What We Do

- Centrifuge Sales, Rentals and Demos
- Wastewater Treatment Solutions
- HDD, TBM and Dredging Dewatering
- Advanced Solids Control
- Industrial Waste Solutions
- Waste Stream Minimization
- Reuse and Recycle Programs
- Project Consultation & Design
- Turn-Key Packages
- Maintenance Programs
- Process and Flow Efficiency Enhancement
- Separation Problem Solving

Signature Centrifuge - Lynx 50

The Lynx 50 is our most versatile centrifuge, designed to succeed the highly popular Lynx 40 and Lynx 500 models. With the highest capacity in the market for its compact size, the Lynx 50 is a powerhouse in the field. This newly engineered machine is built to meet the demands of many industries including municipal, agriculture, mining, tunneling, HDD, and Oil and Gas. It can handle high flow rates (600+ GPM hydraulic capacity) while delivering superior solids separation to achieve the desired results for your waste streams. The Lynx 50 is the new industry standard and will lead the way in the next generation of liquid-solid separation technology.



Decanter Design

1. Gearbox
2. Liquid outlet
3. Screw conveyor
4. Wall of the bowl
5. Inlet distributor
6. Conical end
7. Cleaned slurry/muck outlet
8. Discharge ports
9. Feed tube
10. Feed inlet

Lynx 50 Specifications:

- Weight: 4900 kg/10803 lbs.
- Bowl motor: 125 Hp ABB Y/D (444) Foot
- Conveyor motor: 20 Hp ABB Y/D (254)
- Diameter: 500 mm/19.7 inches
- Beach angle: 6/10°Sigma 5051
- Max bowl speed: 3600 rpm
- Max centrifugal force: 3629 G
- Differential speed range: 5-40
- Typical feed capacity: 500 GPM light weight mud (9PPG), D50 cut-point 7 micron
- Typical solids capacity: 15 t/h
- Max hydraulic capacity: 600 GPM water
- Wear protection: tiles, stainless steel backplate/ TM42
- Feed zone protection: exchangeable fully covered tungsten carbide
- Type Planetary: - 2 stage
- Max torque: 6 kNm
- Ratio: 169.2

Available Centrifuges

The Alfa Laval Lynx decanter centrifuges are engineered to manage large quantities of solid feed materials while effectively handling abrasive and coarse particles. These versatile Lynx decanters find application in dewatering and clarification processes across various industries. Notably, Lynx decanter centrifuges excel at efficiently eliminating most fine particles that conventional slurry treatment equipment may struggle to address. Below is a list of the more common decanter centrifuges we offer for sale or rental.

Technical specifications

Designation	Lynx 20	Lynx 28	Lynx 36	Lynx 44
Typical solids capacity	0.5 t/h	1.5 t/h	5 t/h	8 t/h
Bowl diameter	200 mm / 7.9 inches	280 mm / 11.0 inches	360 mm / 14.2 inches	440 mm / 17.3 inches
Bowl speed (maximum)	5300 rpm	4400 rpm	4200 rpm	3800 rpm
G-force (maximum)	3146 G	3036 G	3556 G	3558 G
Gross weight	600 kg / 1323 lbs.	1400 kg / 3080 lbs.	2250 kg / 5322 lbs.	3600 kg / 7937 lbs.
Length (L)	2154 mm / 84.8 inches	2936 mm / 115.6 inches	4154 mm / 163.5 inches	4708 mm / 185.4 inches
Width (W)	570 mm / 22.4 inches	780 mm / 30.7 inches	990 mm / 39.0 inches	1060 mm / 41.7 inches
Height (H)	762 mm / 30.0 inches	930 mm / 36.6 inches	1239 mm / 48.8 inches	1382 mm / 54.4 inches
Back drive control*	CS and VFD	CS and VFD	VFD	VFD

Designation	Lynx 50	Lynx 65	Lynx 72	Lynx 100
Typical solids capacity	15 t/h	20 t/h	40 t/h	60 t/h
Bowl diameter	500 mm / 19.7 inches	650 mm / 25.6 inches	720 mm / 28.3 inches	1000 mm / 39.4 inches
Bowl speed (maximum)	3600 rpm	3100 rpm	2900 rpm	1875 rpm
G-force (maximum)	3629 G	3498 G	3391 G	1969 G
Gross weight	4900 kg / 10803 lbs.	6500 kg / 14300 lbs.	8600 kg / 18959 lbs.	18500 kg / 37700 lbs.
Length (L)	4985 mm / 196.3 inches	6450 mm / 253.9 inches	6900 mm / 271.7 inches	8822 mm / 347.3 inches
Width (W)	1190 mm / 46.9 inches	1450 mm / 57.1 inches	1510 mm / 59.4 inches	2050 mm / 80.7 inches
Height (H)	1534 mm / 60.4 inches	1834 mm / 72.2 inches	1850 mm / 72.8 inches	2248 mm / 88.5 inches
Back drive control*	CS and VFD	CS and VFD	VFD	VFD

*CS: Countershaft Machine with fixed differential speed (The belts and pulleys can be manually changed during shutdown)

VFD: Variable frequency drive

Auxiliary Equipment

Vertical Cuttings Dryers



- Elgin O4 VFD driven
- Elgin D4 fully-variable

Solid/Liquid Storage Solutions



- Horizontal and upright fluid tanks
- High wall/low wall 3-sided solids storage bins
- Half-round storage bins

Stands



- Hydraulic dual stands
- Hydraulic single stands
- Crane stands

Pumps



- Eddy Pumps (high solids)
- Lobe Pumps
- Centrifugal Pumps
- P3 & P4 Pumps

