



Decanter
CENTRIFUGE
by **DARITECH**



DariTech, Inc., as a leading provider of innovative dairy manure handling systems throughout North America, has joined up with Vision Machine, Inc., to bring you the most cost efficient, durable decanter centrifuge on the market!

Our decanter centrifuge may be the answer for your dairy!

- High capture of solids going to the lagoon
- Increased flush quality
- Reduced water usage on dairy
- Nutrient removal

Manufactured in the USA!

Decanter CENTRIFUGE

— DARITECH

Features:

- Full length tungsten carbide tile scroll protection
- Parts available same day or next day delivery
- High performance machine design
- Original manufacturer of spare parts
- Heavy duty plow & wipers
- Corrosion-resistant
- Low horsepower
- Field serviceable
- High torque
- Small footprint
- Solid 3/16" plate SS guards
- Easy to operate & maintain



Case Lift Assist

- Consumable wear parts are all field replaceable and are all solid tungsten carbide.
- Adjustable water dams.
- The solids discharge nozzles are encased by a stainless retainer.



**Wear Parts
Patent Pending**



Water Dam

Technical Parameter of Decanter Centrifuge:

Model	G Force	Standard Main Motor HP	Back Drive	Flow Rate	Cow Numbers*
DT1035	3000	20 hp	5 hp	12 - 60 gpm	600
DT1430	3000	30 hp	15 hp	25 - 100 gpm	1200
DT1448	3000	40 hp	15 hp	35 - 140 gpm	1600
DT1655	3000	75 hp	25 hp	60 - 240 gpm	3000
DT2070	3000	125 hp	40 hp	100 - 400 gpm	5000
DT2484	3000	150 hp 200 hp	50 hp 60 hp	125 - 500 gpm 170 - 700 gpm	6000 8000

*Cow numbers based on 30 gallons per cow on a scrape dairy and 120 gallons per cow on a flush dairy. Call DariTech, Inc for specifications on your application needs.



Decanter Centrifuge Control Box

PLC Control Box:

Our industrial PLC touch screen interface provides high end control for the centrifuge. We are able to provide rich features such as mobile device monitoring, control, text messaging, and remote technical support.

Our control package includes variable frequency drives for all motors, providing a very precise control system that monitors torque and adjusts the speed of the machine to maximize throughput. We include a braking resistor which allows the machine to come to a full stop in 30 seconds or less.

Our control package is robust providing cutting edge technology, and the reliability of an industrial PLC. We build each panel in our own ETL Listed Panel Shop.



Continuous monitoring and diagnostics with alerts



- Carbide sleeves are used in the conveyors which are tiled throughout the entire length and have replaceable wear protection as well.
- Case is held in place with manufactured “c” clamps so there are no bolts to remove, therefore, you don’t have dropped pieces lodged in augers or pumps.



Vision Machine, Inc • Spring, TX



DariTech, Inc • Lynden, WA

Why Vision

Vision Machine was first developed as a rebuild facility of centrifuges for the oil fields by owner, Ray Morris. With his experience, Ray has developed a more robust and field serviceable centrifuge. Vision Machine brings to the customer a higher level of service and a reduced cost of ownership. With its longer wearing machines and commitment to the customer, Vision Machine meets the goals of demanding applications.

Why DariTech

DariTech complements the Vision Machine equipment with their in-house electrical controls. These controls optimize the efficiency of the centrifuge and give the customer all the automation features they desire. DariTech understands the needs of the farm, and integrates other equipment with remote conductivity to optimize dairy operations. Coupled with DariTech's depth of knowledge about separation and equipment, the addition of the centrifuge is a great fit.