

## The Importance of Inspection and Maintenance

Having a state-of-the-art decanter centrifuge is no guarantee of optimum performance and efficient processes. It is just as important to have your centrifuge regularly inspected and maintained as it is to have it installed correctly.



Daily Maintenance	
Fasteners & Guards	Visually check external fasteners for looseness and guards for cracking
Discharge Hoppers & Piping	Check for leaks
Operations Log	Fill out normal operations log to record temperature, erratic vibration, differential speed, torque and flow rates
Lubricator	Check level visually
Control Panel	Check for faults and verify normal readings
Noise & Vibration	Observe noise and vibration levels on panel
Weekly Maintenance	
Grease Internal Bearings	See your Operations & Maintenance Manual
Check Belt Tension	
Check Lubricant & Oil Levels	
Monthly Maintenance	
Inspection for Wear	Open top cover, remove safety covers and inspect rotor and housing for wear.
Monitor Vibration	Verify vibration levels are at or below normal operating levels on the panel display
Wiring, Electrical Cords, Etc.	Check for wear or damage. Replace if necessary.
Discharge Areas	Check solids and liquid discharge areas for wear and obstruction
Annual	
Function Check	Verify function of interlocks and system controls, check PLC battery

Bearings & Seals		Frequency
Main Bearings	Replace	15,000 hrs
Internal Bearings	Replace	15,000 hrs
Wear Components		
Feed Nozzles	Inspect for wear; replace worn nozzles if needed	At inspection
Discharge Nozzles	Inspect for wear; replace worn nozzles if needed	
Tiles	Inspect for wear; replace worn tiles if needed	
Feed Chamber Area	Inspect for wear; replace components if needed	
Internal Inspection of Rotor		
Remove Scroll	Inspect for wear and damaged components	15,000 hrs or 5 years maximum
Hydraulic System		
Oil & Filter Change	Change oil and filter	4,000 hrs or twice a year
Hydraulic Pump Unit	Inspect for leaks and damage to hoses	Monthly
Rotodiff Hydraulic Motor or Gearbox	Inspect and change bearings and seals	15,000 hrs
Balancing		
Bowl	Balance to specification	15,000 hrs
Scroll	Balance to specification	15,000 hrs

\*Guidelines for Centrisys municipal wastewater centrifuges. Industrial applications may vary.

