

## LW Horizontal Decanter Centrifuges



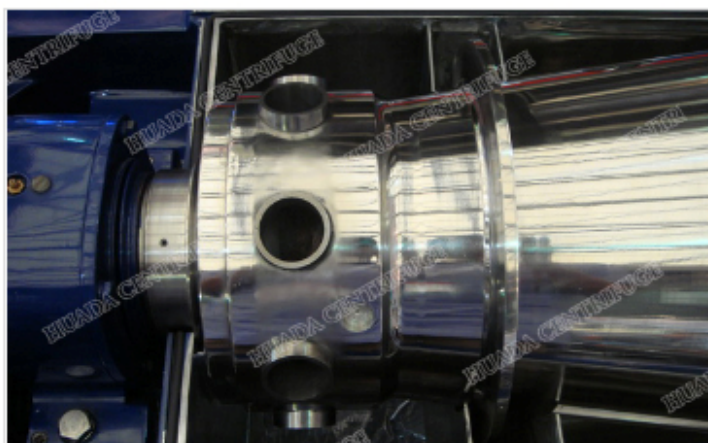
LW horizontal decanter centrifuges feature continuous feeding and discharging. This chemical separation equipment has been applied to two-phase (solid-liquid) and three-phase (solid-liquid-liquid) slurries separation in industries of chemicals, pharmaceuticals, environment protection, as well as mining and food, etc.

### Advantage

1. This liquid clarifying device adopts horizontal design which balances the layout of electric motor and bowl. As a result, outstanding operation stability generates minimized vibration.
2. Dual electric motor control enables stepless speed adjustment on bowl and spiral components.
3. Scroll conveyor flight inside this continuous centrifuge is painted by abrasion resistant alloy or welded by hard alloy. Moreover, main components on our horizontal decanter centrifuge, such as rotating bowl and spiral parts, are made from corrosion resistant stainless steel or dual-phase steel, whereby offering exceptional speed limits and separation ratio.
4. Our mud dewatering equipment comes with three options including cycloidal gear, planetary gear and hydraulic differential, resulting in large range of differential adjustment. Therefore, this industrial centrifuge can be applied to diverse solids.
5. Multiple protections are available on our horizontal decanter centrifuge to ensure operatives safety, including over-vibration protection, bearing temperature detection, screw conveyor torque protection rotating and differential speed detection, as well as nitrogen-filled explosion-proof protection, motor overload and over heat protection.
6. JG type rubber shock absorber requires no anchor bolts.



Conveyor flight adopts ceramic or tungsten carbide tiles

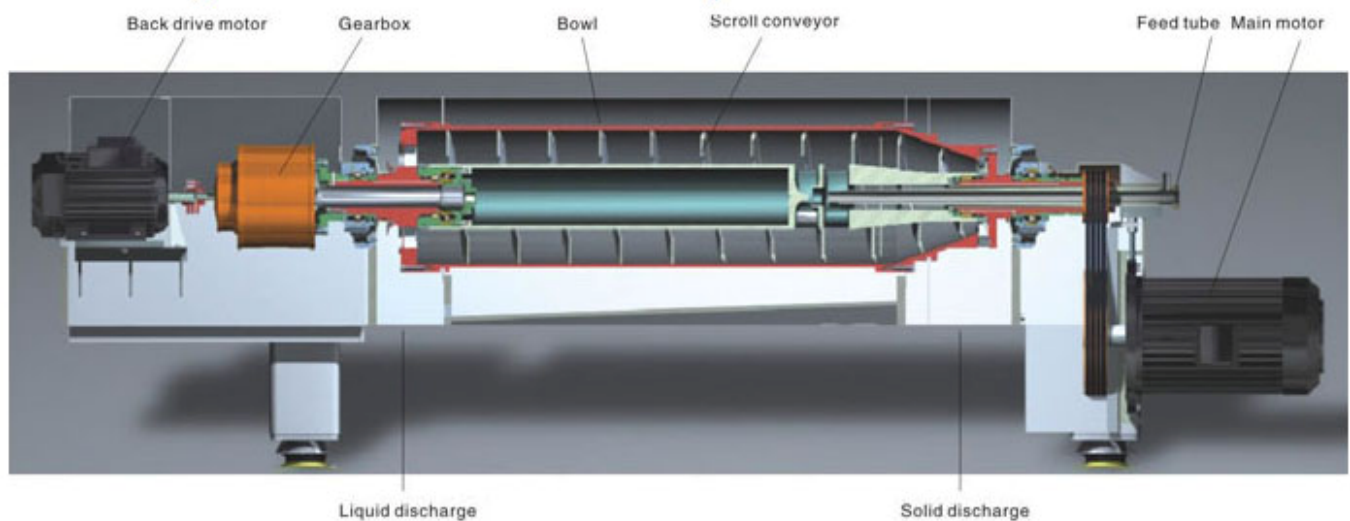


Solid outlet adopts ceramic or tungsten carbide tiles

## Applications

1. Industrial and municipal wastewater treatment
2. Oil & gas drilling mud/fluid control
3. Washing, separation and dewatering of starch
4. Mycelium and zymotic fluid separation for antibiotic
5. Dewatering of soybean and wheat protein
6. Dewatering of fish power and fish meat
7. Dewatering of vinasse
8. Clarification and extraction of fruit juice
9. Separation and purification for animal and vegetable oil
10. Production and purification of olive oil, palm oil, avocado oil
11. Separation and purification for coal tar
12. Grading of kaolin and graphite
13. Grading and dewatering of dyestuff and pigment
14. Froth flotation for cleaned coal and dewatering of coal mud
15. Grading and dewatering of minerals

## Structural Diagram for Horizontal Decanter Centrifuge



## Technical Parameter of LW Horizontal Decanter Centrifuges

Model	Bowl Dia (mm)	L/R Ratio	Max. Speed (r/min)	G-force(g)	Main Motor power (kw)	Weight (kg)	Dimension(mm) (L*W*H)
<a href="#">LW220x880</a>	220	4	4800	2840	7.5-11	1000	1850*1200*750
<a href="#">LW220x1000</a>	220	4.5	4300	2280	11	1100	1970*1200*750
<a href="#">LW300x1140</a>	300	3.8	3750	2370	15	1500	2100*1300*650
<a href="#">LW355x1460</a>	355	4	4000	3100	22	2020	3365*920*1060
<a href="#">LW400x1200</a>	400	3	3600	2880	22	2200	2400*1650*900
<a href="#">LW400x1600</a>	400	4	3600	2880	30	3000	3100*91650*900
<a href="#">LW450x1750</a>	450	1.7	2500	1570	30	2000	2348*1090*943
<a href="#">LW450x1800</a>	450	4	3500	3083	30-37	3500	4200*1090*1250
<a href="#">LW450X2050</a>	450	4.5	3600	3260	30-37	37800	4200*1090*1250
<a href="#">LW530x2120</a>	530	4	3200	3040	45-55	4200	4885*1230*1350
<a href="#">LW530x2300</a>	530	5	2500	2150	37-55	4500	5050*1230*1350
<a href="#">LW630x2300</a>	630	3.65	2500	2205	75	8000	5110*1440*1750
<a href="#">LW720x2665</a>	720	3.7	2000	1600	110	12000	5365*3160*1510
<a href="#">LW1000x3000</a>	1000	3	1500	1258	132-160	16000	5180*2450*1950