



JX FILTRATION

Product Quality and Reputation is our first principle.

www.jxfiltration.com

Company Profile



Our Company

We specialize in designing, manufacturing, and selling various filtration equipment and providing comprehensive water treatment solutions to our clients.



Our Team

We have more than 10 professional engineers and 80 experienced workers and domestic distributors throughout 34 districts in China.



Our Products

Wedge Wire Screen, Bag Filter Housing, Self Cleaning Filter, Horizontal Decanter Centrifuge, Rotary Drum Filter, Screw Press, etc.



Our Customers

US, Canada, Indonesia, Malaysia, Thailand, Spain, Portugal, Italy, Norway, South Africa, Argentina, Chile, Ecuador, Russia, Nepal, etc.

Our Valued Customers



PT. PELITA CENGKARENG PAPER



NISSAN
MOTOR CORPORATION



BOXMARK®
Best in Leather Interior



CENTURY PAPER & BOARD MILLS LIMITED



الخليج للسكر
AL KHALEEF SUGAR



الشركة السعودية للجيلاتين والكبسولات
Saudi Gelatin and Capsules Co

Your trust is priceless!

Horizontal Decanter Centrifuge

Horizontal Decanter Centrifuge

One of the earliest manufacturer who produce this product with mature technology.

Max Treatment Capacity: 130 m³/h

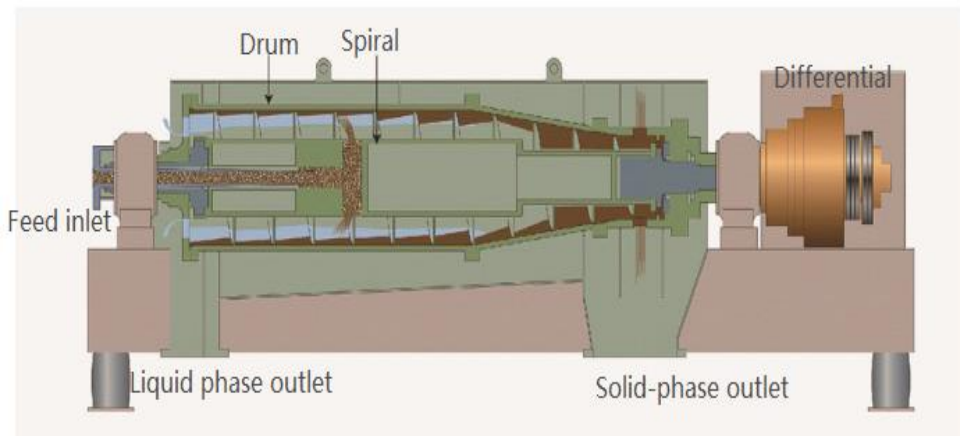
Construction material: Carbon steel, 304 stainless steel, 316 stainless steel, 2205 duplex stainless steel

Application: It can be widely used in domestic sewage, industrial wastewater, food processing, beverage production, pharmaceutical extraction, marine and energy industries, oil product processing, paint pigment recovery and chemical industries, etc.

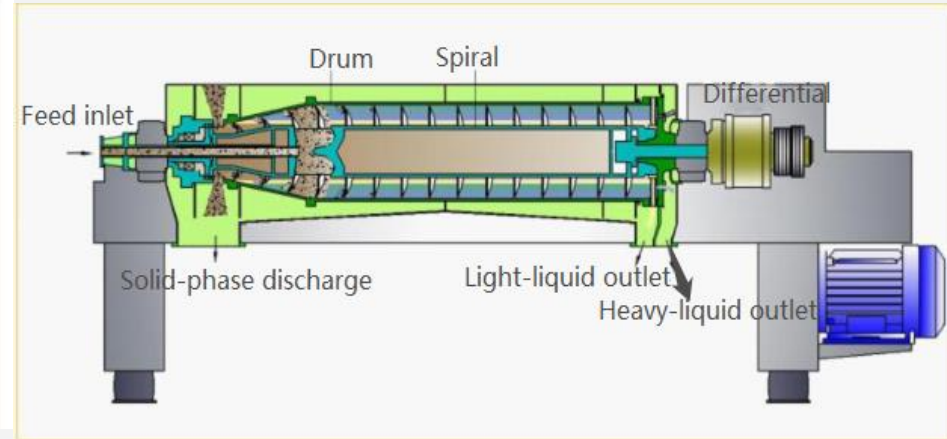


Note: dimensions, construction material, structure can all be customized.

Classification of Horizontal Decanter Centrifuge



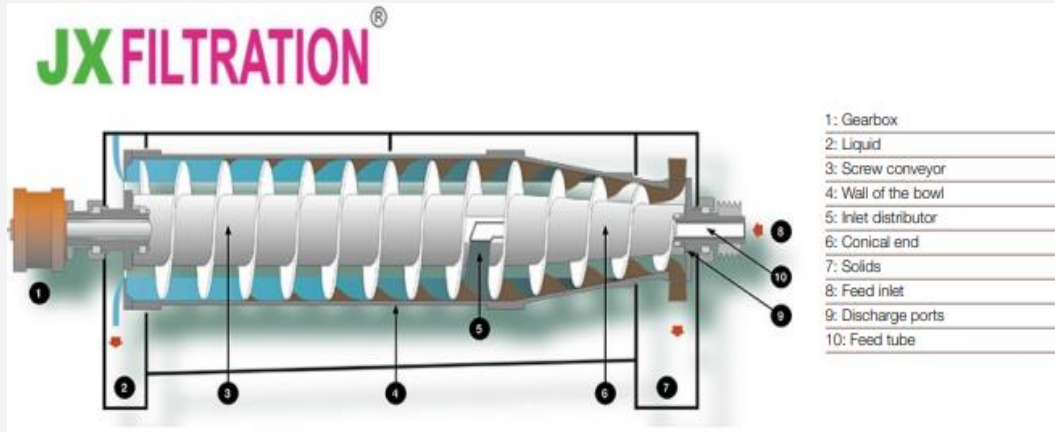
Two phase separation



Three phase separation:

Light liquid phase/heavy liquid phase/solid phase;
Light solid phase/liquid phase/heavy solid phase;
Light liquid phase/solid phase/heavy liquid phase.

Working Principle: Horizontal Decanter Centrifuge



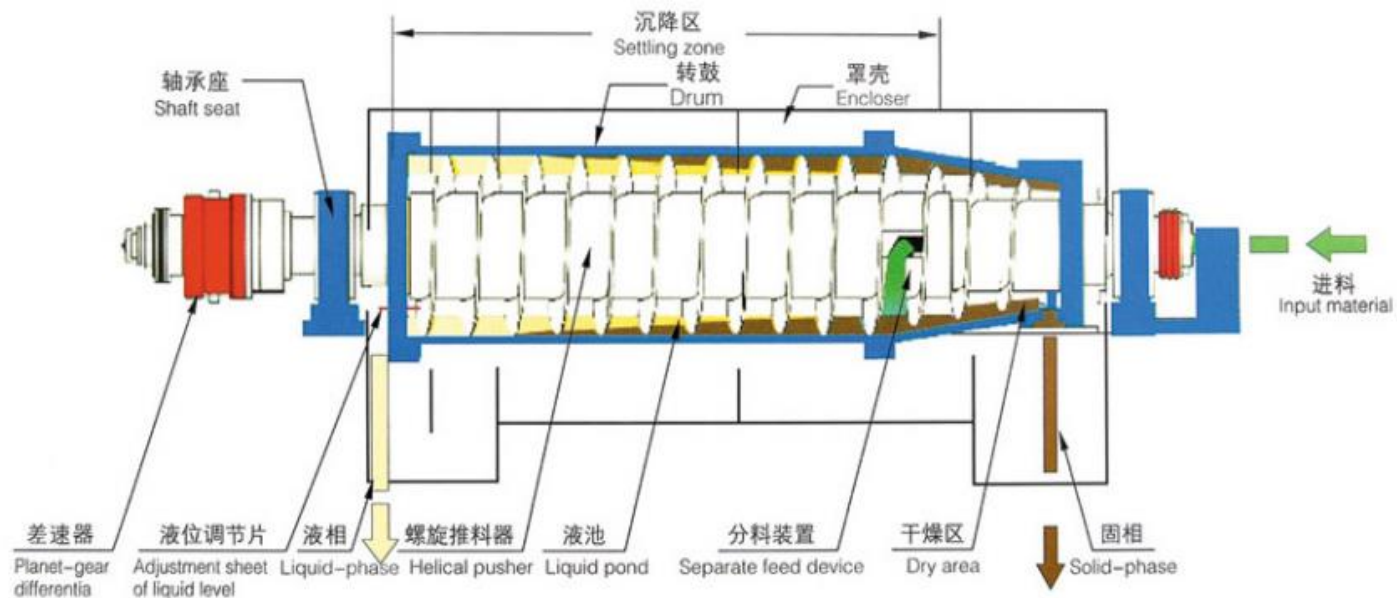
Working Principle:

Separation is set in a horizontal cylindrical bowl equipped with a screw conveyor. The feed enters the bowl through a stationary inlet tube and is accelerated smoothly by an inlet distributor. The centrifugal force that results from this rotation then causes sedimentation of the solids on the wall of the bowl.

The conveyor rotates in the same direction as the bowl, but slightly slower, thus moving the solid toward the conical end of the bowl. The cake leaves the bowl through the solids discharge openings into the casing.

Separation takes place throughout the entire length of the cylindrical part of the bowl, and the clarified liquid leaves the bowl by flowing over adjustable plate dams into the casing.

Structural Diagram



Details of Finished Product: Horizontal Decanter Centrifuge



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Details of Finished Product: Horizontal Decanter Centrifuge



Your trust is priceless!

Details of Finished Product: Horizontal Decanter Centrifuge



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Details of Finished Product: Internal Structure



Our decanters have excellent dynamic balance, small equipment runout, good curvature, low noise and stable equipment operation, and long bearing life

Details of Finished Product: Test before delivery



Each decanter will be tested before leaving the factory to ensure the quality

Processing Area of Decanter



Device for drilling bolt holes



Device for dynamic balance

Processing Area of Decanter



Frame after heat treatment



Coated tungsten carbide screw

Details of Finished Product: Internal Structure——Screw



Food grade screw



Tungsten carbide screw



Contains carbide screw

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Details of Finished Product: Internal Structure——Drum



High strength with one casting of rotary drum

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Details of Finished Product: Internal Structure——Parts



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**Details of Finished Product:
Internal Structure——Screw
blade of screw pusher**



Wear-resistant tungsten carbide and ceramic tiles

Replaceable in place

Successful application for nearly 20 years

The highest level of anti-wear protection material

Tungsten carbide/ceramic tile fixed on stainless steel mother plate

**Our Machine to Manufacture
Frame of Decanter:
Fully automatic milling machine**



Strengthen flatness and stability of the frame

**Explosion-proof Motor:
Suitable for flammable and
explosive materials (Optional)**



Auxiliary Device Conveyor

Shaftless Mud Cake Screw Conveyor (Optional)

Convey capability: 1-25m³/h

Advantage:

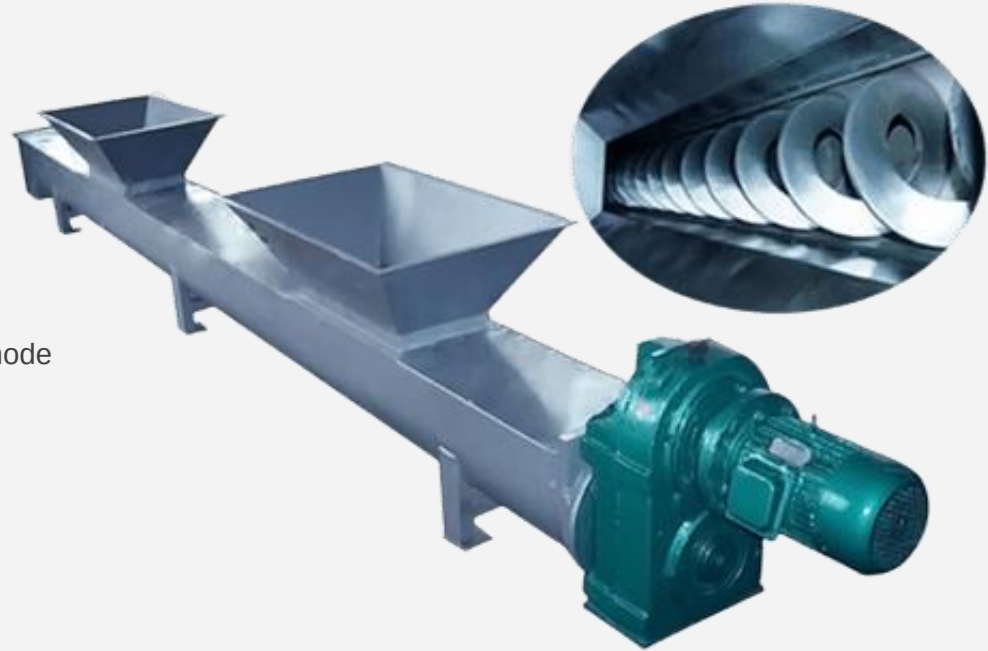
Adopt advanced shaftless concept and double blade design mode

Higher conveying efficiency and larger conveying angle

Suspended shaftless helical structure

Upper open U-shaped tube structure

Helical blades made of high-strength steel cold-spun



Auxiliary Device: Automatic dosing device

PAM/PAC automatic
dispensing device(Optional)

Capability: 0.5-10m³/h

Advantage:

Advanced three-chamber structure

It has a fully automated operation process of
continuous batching-ripening-standby.

Shell material: PP board or stainless steel material



Model Selection

Model Selection of Decanter

Item	JXLW-250	JXLW-350	JXLW- 450	JXLW-520	JXLW-580	JXLW-650	JXLW-750
Drum diameter(mm)	250	350	450	520	580	650	750
Aspect ratio (mm)	4.1	4.1	4.1	4.1	4.1	4	3.7
Rotating speed(rpm)	4500	3500	3200	3000	2800	2600	2200
Design separation factor	2835	2435	2580	2620	2546	2460	2033
Differential speed (rpm)	1-50	1-35	1-34	1-34	1-30	1-28	1-28
Max torque differential(Nm)	1500	2500	5000	8000	12000	16000	20000
Main motor power (kw)	11	15-22	30-37	55-75	75-90	90-110	110-160
Auxiliary motor power (kw)	4	5.5	7.5-11	11-15	15-18.5	22	30
Length of centrifuge (mm)	2500	3700	4300	5100	5520	6250	6500
Width of centrifuge (mm)	800	1050	1150	1250	1450	2000	2200
Height of centrifuge (mm)	1150	1200	1450	1600	1700	1550	1600
Weight of centrifuge (kg)	1250	2500	4200	5200	6500	7800	11000

Raw Material Test

Material Certificate



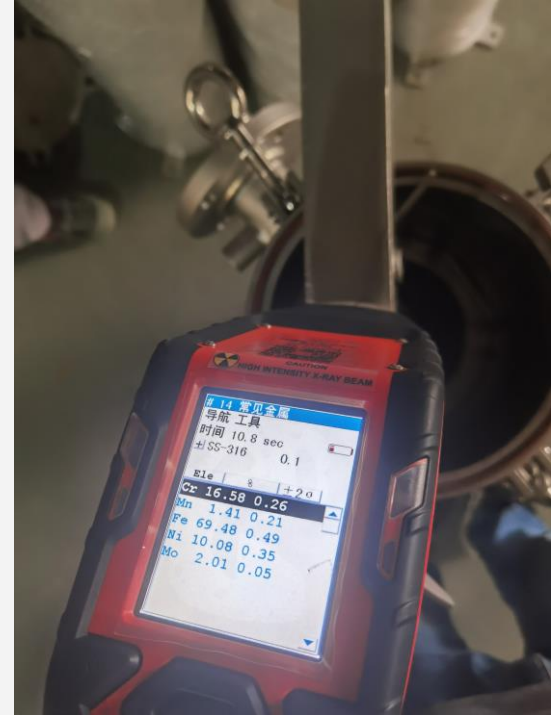
振石集团东方特钢有限公司
ZHENSU GROUP EASTERN
SPECIAL STEEL CO., LTD.

产品质量证明书 INSPECTION CERTIFICATE

公司地址: 浙江省嘉兴市南湖区新丰镇经济开发区
ECONOMIC DEVELOPMENT ZONE, XINFENG COUNTRY, NANHU
DISTRICT, HANGZHOU CITY 314005, ZHEJIANG PROVINCE
电话TEL: +86-573-83988281 传真FAX: +86-573-83988198

订货单位 CUSTOMER				产品名称 PRODUCT		热轧不锈钢带 HOT-ROLLED STAINLESS STEEL COILS				证书号 CERTIFICATE NO.		180304064																							
收货单位 PURCHASER				合同号 CONTRACT NO.		ESS(XS)/XS-PCZ20180420-406				交货日期 DATE OF DELIVERY		2018年5月3日																							
牌号 GRADE		316L		订单号 ORDER NO.						签发日期 DATE OF ISSUE		2018年5月4日																							
标准 SPECIFICATION		ASTM A240M-16		交货状态 SOLUTION TREATED AND PICKLING		NO.1				ISO9001证书号 CERTIFICATE NUMBER		CN10/21015																							
规格/板号 COIL/PLATE NO.		炉号 HEAT NO.		规格及重量 MATERIAL DESCRIPTION				化学成分 (熔体分析) % CHEMICAL COMPOSITION (HEAT ANALYSIS) %																											
				厚度 THICK		宽度 WIDTH		长度 LENGTH		件数 NUMBER		重量 WEIGHT		C		SI		Mn		P		S		Cr		Ti		Ni		Mo		N			
				mm		mm		mm		件		kg																							
1		218112480300		1811248		3.00		1525		C		1		26795		0.015		0.44		1.15		0.027		0.003		16.03				10.06		2.05		0.047	
2		218114452100A		1811445		4.00		1525		C		1		12830		0.020		0.48		1.16		0.027		0.003		16.59				10.03		2.04		0.050	
3		218114860400E		1811486		5.00		1525		C		1		20690		0.024		0.54		1.20		0.020		0.005		16.65				10.09		2.03		0.037	
4																																			
5																																			
合计(TOTAL)										3		60215																							
序号 COIL/PLATE NO.		规格/板号 HEAT NO.		拉伸试验TENSILE TEST				硬度 HARDNESS				ISO-V冲击试验 IMPACT TEST				晶间腐蚀 INTERGRANULAR CORROSION TEST																			
				抗拉强度 (T.S.) Rm		屈服强度 (Y.S.) Rp0.2		断后伸长率 (%) A50		HRR		BHN		方向 DIR.		宽度 W. mm		温度 TEMP. °C						吸收能量 (J) KV											
				Mpa				%		1		2		L ₀ /TR.										1		2		3							
1		218112480300		595		280		67		85		85																							
2		218114452100A		589		237		71		80		80																							
3		218114860400E		612		275		57		82		81																							
4																																			
5																																			
备注 REMARKS		1. 本产品已通过ISO9001质量管理体系认证(THE PRODUCTS HAVE PASSED THE ISO9001 QUALITY CERTIFICATION LICENSE.) 2. 谨保证以上所有的内容真实准确(WE HEREBY CERTIFY THE ABOVE STATEMENT TO BE TRUE AND CORRECT IN EVERY DETAIL.) 3. 热处理 (HEAT TREATMENT): SOLUTION 1050-1100°C. QUENCHING IN WATER 4. The material is free from Radioactive Contamination.																																	
注释 NOTES		TR.: (Transverse)横向, L.: (Longitudinal)纵向, DIR.: (Direction)方向, W.: (Width)宽度, TEM.: (temperature)温度, EL.: (Elongation)断后伸长率, Y.S.: (Yield Strength)屈服强度, T.S.: (Tensile Strength)抗拉强度, A.E.: 吸收能量, AVE.: 平均值																																	

Inspection by spectrometer



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Quality inspection

JX FILTRATION

JX FILTRATION(CHINA)CO.,LTD

Quality Certificate

No.: 43870061

Name	Automatic Scraper Filter	Model	JXS2-219
Qty	1 unit	Production date	2021-06-08
Testing items	Testing content	Testing standard	Result
Welding	Weld appearance quality inspection	GB150-1998	Qualified
Material	Steel [Appearance, chemical analysis, mechanical properties]	GB/T14976-94	Qualified
	Steel [Appearance, chemical analysis, mechanical properties]	GB12220-92	Qualified
	Casting [Appearance, chemical analysis]	GB12230-89	Qualified
Pressure test	Inner cylinder: 1.0MPa water pressure test, hold the pressure for 30 minutes.	GB150-1998	Qualified
Geometric dimensioning	Geometric dimensioning of housing	Made as per drawing	Qualified
	Connection location and size	Made as per drawing	Qualified
Appearance	Quality of sealing surface	Made as per drawing	Qualified
	Surface treatment of Housing	Made as per drawing	Qualified
Other	Logo & packing		Qualified
	Technical documents		Intact

Test result:

Conformance to Requirements

Inspector: [Signature]

Auditor: [Signature]

Date: 2021-6-8



JX FILTRATION

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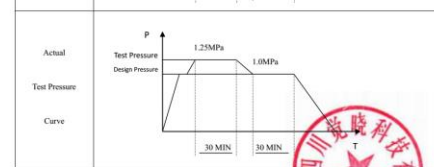
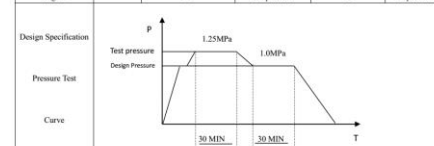
Pressure Test Report

Water pressure Air pressure Gas-tightness

Production code: JXBF202006

NO.: 43870061

Pressure Test Area	Whole Filter	Testing Date	2020-3-19	Technological process card number	08
Accuracy class of pressure gage	1.5	Mpa	0~1.6 Mpa	Testing date	2021.01
Pressure gage number	0304531	Gage diameter of pressure gage(mm)	Φ60	Test fluid	Water
Chloride ion content (mg/L)	≤25	Ambient temperature (°C)	Normal temperature	Fluid temperature (°C)	Normal temperature



Result:

After the filter is tested with 1.25MPa water pressure, there is no leakage; no visible abnormal deformation; no abnormal sound; the test is qualified.

Inspector: [Signature]

Auditor: [Signature]

Date: 2021-6-9



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Our Services

Professional Pre-sale Service

1. Filtration method and equipment recommendation.
2. Free CAD or 3D drawing.
3. Equipment can be customized.

Complete Service During Sales

1. On-time delivery.
2. Equipment inspection by photo or video.
3. Secure and standard package.

After-Sale Service

1. Installation assistance by a phone call or video.
2. Free accessories for maintenance.
3. Engineer sent to solve the onsite problem.