





Business Philosophy

Customer first, quality first.

Quality Policy

Our job is to satisfy customers.

Values

Science and technology create value,
symbiosis realizes development.

Purpose

People-oriented, serving the society.

Spirit

Sincere and pragmatic, hard work and innovation.

Style

Rapid response, strict and efficient.

Belief

Talent and technology are the core
wealth of an enterprise.



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PROCESSING CAPACITY



Plate Shearing Machine



NC Cutting Machine



Welding Workshop



Drilling Machine



Lathe Machine



Assembly Workshop



Painting Workshop



Finished Product Workshop

FIELD PERFORMANCE



ZJ70DBL Solids Control System in Korla, Xinjiang



ZJ70DBL Solids Control System in Qinghai



ZJ70D Solids Control System in Southwest



ZJ50DBL Solids Control System in Mahu, Xinjiang



Solids Control System for 750HP Workover Rig at Oilfield in Middle East



Solids Control System for 750HP Workover Rig in Jilin Oilfield



COSL ZJ70 Solids Control System Exported to Iraq



Mobile Field Camp for Chuanqing Drilling



Oil-Based Drilling Waste Management in Qinghai



Slime Treatment System in Shanxi



Mud Storage Station in Sichuan



Mobile Agitating Unit in Shenzhen

DRILLING EQUIPMENT SERIES





SOLIDS CONTROL SYSTEM

DRILLING MUD SOLIDS CONTROL SYSTEM



◆ Solids Control System Composition

The solids control system is mainly composed of mud tank, solids control equipment and tank surface auxiliary equipment.

Mud tanks mainly include: conical sand settling tank, circulation tanks, mud weighting tanks, slurry storage tanks, and medicine tanks.

Solids control equipment mainly includes five-stage purification equipment: drilling fluid shale shaker, vacuum degasser, desander, desilter, drilling fluid centrifuge. The vacuum degasser is removed from the solids control system, which can also be called four-stage solids control. Desander, desilter and shale shaker can form a drilling fluid integrated machine (mud cleaner).

Tank surface auxiliary equipment includes: sand pump, mud agitator, mud gun, shear pump, jet mixing hopper, etc. Among them, sand pump can be used as the replenishment pump. It's also used as slurry supply pump of the desander and desilter, the slurry mixing pump, the filling pump, etc.

specializes in the production of ZJ20-90 drilling mud solids control systems. The solids control systems currently produced are all over the China and abroad. The optimal solution can be designed according to user requirements and field conditions.

◆ Purpose Of Solids Control System

In the process of oil drilling, solids control equipment is very important for drilling operations. Oil drilling solids control equipment and systems are used to process and recover the drilling fluids (mud) returned from the wellhead. The solids control system can effectively separate drill cuttings, barite and other large solid particles from the wellhead (mud) back to the surface, and the treated drilling fluid (mud) can be reused. Thereby, the cost of drilling is reduced, and it is beneficial to environmental protection.

◆ Advantages

- Design and Production of Solids Control System for Large Drilling Rig.
- Select mature and high-quality suppliers.
- Serious and responsible pre-sale, sale and after-sale service.
- Customized Products and Services.
- Cost-effective option.

WASTE TREATMENT SYSTEM



◆ Workflow Description

The mud coming from the drilling rig enters the solids control unit (shale shaker, mud cleaner) through the overhead manifold, and the drill cuttings discharged after being processed by the shale shaker and the mud cleaner are transported by the screw conveyor to the drying shaker for processing, and the processed drilling cuttings are transported by the screw conveyor to the vertical dryer for further drying, and the solids waste treated by the vertical dryer is discharged. The mud treated by the drying shaker and the vertical dryer all flow into the mud tank compartment, and are transported by the centrifuge feeding pump (submersible slurry pump) or screw pump to the high-speed centrifuge to separate smaller particles. The separated solids waste is discharged, and the treated mud flows into the solid control mixing tank for continuous use. Very low moisture content of the solids separated by drying shaker, vertical dryers and high-speed centrifuges, it can be used as an ideal raw material for brick making and road building, so that the mud does not fall to the ground.

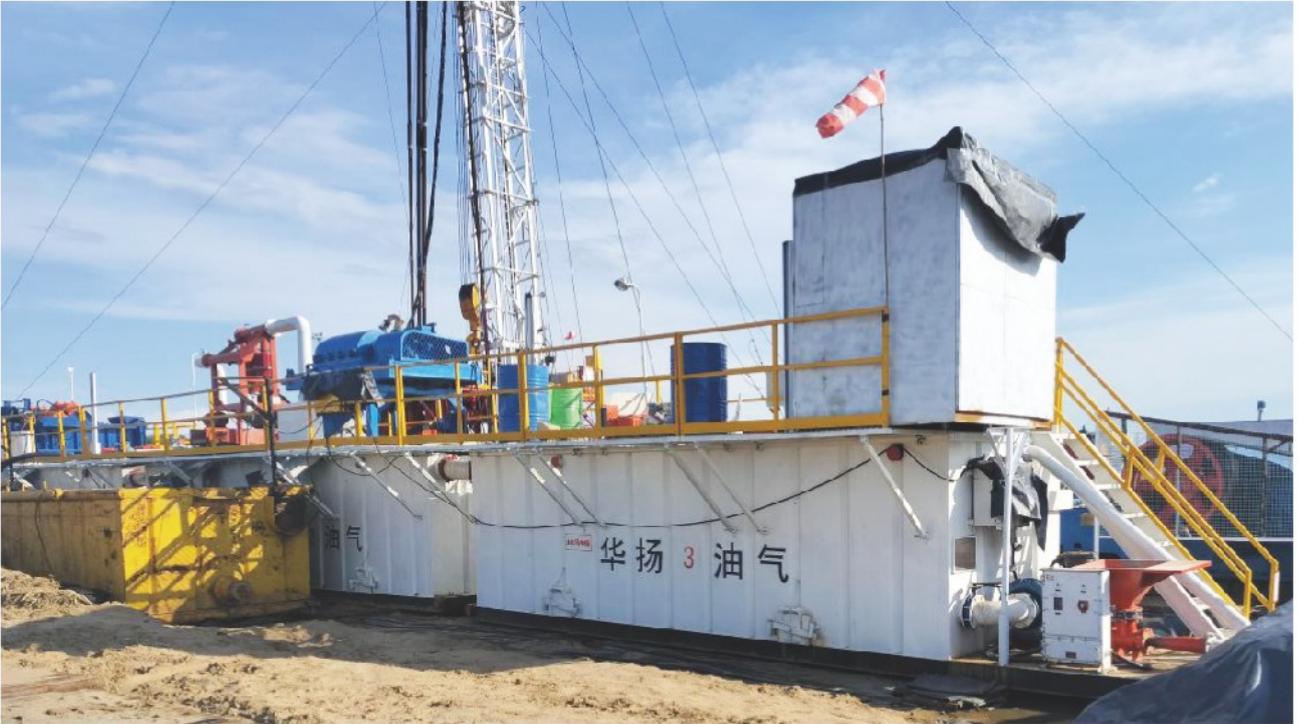


Solid Phase of Oil-based Mud after Drying



Solid Phase of Water-based Mud after Drying

CBM MUD RECYCLING SYSTEM



TBM MUD RECYCLING SYSTEM



HDD MUD RECYCLING SYSTEM



BORED PILE AND TRENCHLESS MUD RECYCLING SYSTEM



EQUIPMENT

SHALE SHAKER



◆ Features And Advantages

1. The screen box is made of high manganese alloy steel, which has high strength and prolongs the life of the screen box.
2. Use international brand vibration motor, Martin motor or OLI motor.
3. The whole screen box is heat treated with heavy anti-corrosion coating on the surface to ensure the long service life of the shale shaker.
4. The excitation strength of high G force (can be adjusted) can meet the separation of high viscosity and high specific gravity mud.
5. The screen can be fixed by plate tension and wedge block.
6. The slurry feeding funnel adopts the cofferdam type and top-mounted type to make the mud buffer and even flow, and reduce the impact on the screen.
7. The electrical components use international brands Schneider or Siemens.

◆ Application

During the drilling process, shale shaker as the first-stage mud purification equipment is used to reduce the overall waste disposal cost, improve the mud reuse rate, and reduce the drilling cost.

MODEL	HYP5703	HYP585-4	HYZ5703	HYZ585	HYZ5752
Vibration Mode	Balanced Elliptical Motion		Linear Motion		
Capacity	130m ³ /h	140m ³ /h	120m ³ /h	130m ³ /h	60m ³ /h
Motor Power	1.94+1.0kw	1.94+1.0kw	1.5KW×2	1.72KW×2	0.75KW×2
Screen Size	(700×1250mm) ×3	(585×1165mm) ×4	(700×1250mm) ×3	(585×1165mm) ×4	(750×900mm) ×2
Screen Area	2.6m ²	2.7m ²	2.6m ²	2.7m ²	1.4m ²
Vibration Strength	≤71G (Adjustable)	≤71G (Adjustable)	≤71G (Adjustable)	≤71G (Adjustable)	≤71G (Adjustable)
Dual Amplitude	7mm	7mm	6mm	6mm	5mm
Angle Adjustment	-1° ~ +5°	-1° ~ +5°	-1° ~ +5°	-1° ~ +5°	+3°
Explosion-proof standard	ExdIIBt4/IECEX/ATEX				
Weight	1630kg	1618kg	1620kg	1600kg	900kg
Dimension	2770×1785×1690mm	2966×1600×1280mm	2770×1785×1690mm	2966×1600×1280mm	1835×1280×1200mm
Remark	The above data are measured from drilling mud with a viscosity of 45s and a specific gravity of 1.2g/cm ³ , with 40 mesh screens.				

DRYING SHAKER



◆ Features

1. The vibration strength is as high as 8.0G, and it can be adjusted, which can effectively dry the cuttings.
2. The angle adjustment design of mechanical synchronous screen box can meet the requirements of non-stop screen box angle adjustment.
3. The overall heat treatment of the screen box can meet the long-term work under high excitation intensity.
4. The plate frame screen and wedge type screen tensioning device are convenient for quick replacement of the screen.
5. Adopt international brand vibration motor, Martin motor or OLI motor.
6. International famous brand electrical components, Siemens or Schneider components.
7. The design of the funnel feeding method effectively reduces the feeding height and facilitates the feeding of the conveyor.

MODEL	HYP5585G	HYZ5585G
Vibration Mode	Balanced Elliptical Motion	Linear Motion
Capacity	140m ³ /h	130m ³ /h
Motor Power	1.94+1.0kw	1.94kw×2
Screen Size	(585×1165mm) ×4	(585×1165mm) ×4
Screen Area	2.7m ²	2.7m ²
Vibration Strength	≤8.5G (Adjustable)	≤8.5G (Adjustable)
Dual Amplitude	7mm	7mm
Angle Adjustment	-3° ~ +3°	-3° ~ +3°
Explosion-proof standard	ExdIIBt4 / IECEx / ATEX	
Weight	1618kg	1700kg
Dimension	2600×1645×1380mm	2600×1645×1480mm

VACUUM DEGASSER



◆ Features

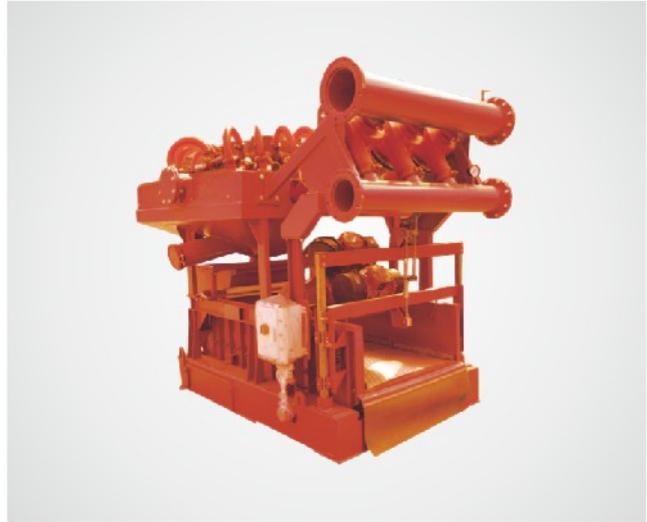
1. It can remove a large amount of gas in the mud, and the degassing efficiency is high.
2. The self-suction slurry is selected, no supply pump is required, and the equipment maintenance cost is low.
3. It can be equipped with an infrared liquid level monitoring system to automate the control of the equipment.
4. The electrical components use international brands Schneider or Siemens.

◆ Application

During the drilling process, vacuum degasser as the second-stage mud purification equipment is used to remove the invading gas, break the small air bubbles and separate them, and fully stir the drilling fluid.

MODEL	HYZCQ240	HYZCQ270	HYZCQ300	HYZCQ360
Tank diameter	700mm	800mm	900mm	1000mm
Capacity	240m ³ /h	270m ³ /h	300m ³ /h	360m ³ /h
Vacuum degree	-0.03 ~ -0.045MPa			
Vacuum ratio	1.68	1.68	1.68	1.72
Efficiency	≥95%	≥95%	≥95%	≥95%
Main motor power	15kw	22kw	30kw	37kw
Power of Vacuum pump	2.2kw	3kw	4kw	7.5kw
Rotary speed of Impeller	860r/min	870r/min	876r/min	880r/min
Explosion-proof standard	ExdIIBt4 / IECEx / ATEX			
Weight	1100kg	1350kg	1650kg	1800kg
Dimension	1750×860×1500mm	2000×1000×1670mm	2250×1330×1650mm	2400×1500×1850mm

MUD CLEANER



◆ Features

1. The desander, desilter and the shale shaker are integrated together, with compact structure design and small volume.
2. The cyclone is made of high-chromium cast iron lined with polyurethane or integral polyurethane material, and has a long service life.
3. The screen box is made of high manganese alloy steel, which has high strength and prolongs the life of the screen box.
4. Use international brand vibration motor, Martin motor or OLI motor
5. The whole screen box is heat treated with heavy anti-corrosion coating on the surface to ensure the long service life of the shale shaker.
6. The vibration strength of high G force (can be adjusted) can meet the separation of high viscosity and high specific gravity mud.
7. The screen can be fixed by plate tension and wedge tension.
8. The electrical components use international brands Schneider or Siemens.

◆ Application

During the drilling process, mud cleaner as the second and third-stage solids control equipment is used to reduce the content of mud and sand in the drilling fluid, improve the reuse rate of mud, and reduce drilling costs.

MODEL	HYQJ200×1S-100×4N	HYQJ200×2S-100×8N	HYQJ250×2S-100×12N	HYQJ250×3S-100×20N
Capacity	60m ³ /h	120m ³ /h	240m ³ /h	320m ³ /h
Size of desander cone	8in		10in	
Number of desander cone	1nos	2nos	2nos	3nos
Size of desilter cone	4in			
Number of desilter cone	4nos	8nos	12nos	20nos
Pressure	0.25 ~ 0.4mpa			
Inlet diameter	DN125mm	DN150mm	DN150mm	DN200mm
Outlet diameter	DN150mm	DN200mm	DN200mm	DN250mm
Separation point	15μm ~ 44μm			
Underflow shaker type	HYS560/N/A	HYS752/N/A	HYS752/N/A	HYS703/N/A
Dimension	1510×1160×2000mm	1835×1230×1810mm	1835×1230×1810mm	2419×2150×2147mm
Weight	600kg	980kg	1250kg	2350 kg

DESANDER



◆ Features

1. The cyclones material is pure polyurethane or high-chromium cast iron.
2. The cyclone is installed with a clamp connection, which is convenient for disassembly.
3. Ball valves can be installed at the inlet and outlet of the cyclone, and the number of working cyclones can be selected independently.
4. International brand vibration motor, Martin motor or OLI motor.

◆ Application

Desander as the second stage solids control equipment during drilling, its function is to reduce the sand content in the drilling fluid, improve the reuse rate of mud, and reduce drilling costs.

MODEL	HYCS200-1S/2S	HYCS250-1S/2S	HYCS250-3S	HYCS300-1S/2S
Capacity	60m ³ /120m ³	100m ³ /200m ³	300m ³	120m ³ /240m ³
Size of cone	8in	10in	10in	12in
Number of cone	1nos/2nos	1nos/2nos	3nos	1nos/2nos
Pressure		0.25 ~ 0.4mpa		
Inlet diameter	DN125mm	DN150mm	DN150mm	DN150mm
Outlet diameter	DN150mm	DN200mm	DN200mm	DN200mm
Separation point		45μm ~ 75μm		
Underflow shaker type	HYTS60	HYTS60	HYZS752	HYZS752
Dimension	1510×1160×2000mm	1510×1360×2250mm	1835×1230×1810mm	1835×1230×1810mm
Weight	570kg/620kg	670kg/760kg	1300kg	1380kg

DESILTER



◆ Features

1. The cyclone material is pure polyurethane or high-chromium cast iron.
2. The cyclone is installed with a clamp connection, which is convenient for disassembly.
3. Ball valves can be installed at the inlet and outlet of the cyclone, and the number of working cyclones can be selected independently.
4. International brand vibration motor, Martin motor or OLI motor.

◆ Application

During the drilling process, desilter as the third-stage solids control equipment is used to reduce the sand content in the drilling fluid, improve the reuse rate of mud, and reduce drilling costs.

MODEL	HYCN100-4N	HYCN100-6N/8N	HYCN100-12N/16N	HYCN100-20N
Capacity	60m ³	90m ³ /120m ³	180m ³ /240m ³	300m ³
Size of cone	4in			
Number of cone	4nos	6nos/8nos	12nos/16nos	20nos
Pressure	0.25 ~ 0.4mpa	0.25 ~ 0.4mpa	0.25 ~ 0.4mpa	0.25 ~ 0.4mpa
Inlet diameter	DN100mm	DN125mm	DN150mm	DN150mm
Outlet diameter	DN125mm	DN150mm	DN200mm	DN200mm
Separation point	15μm ~ 44μm	15μm ~ 44μm	15μm ~ 44μm	15μm ~ 44μm
Underflow shaker type	HYZ560/N/A	HYZ560/N/A	HYZS752/N/A	HYZS703/N/A
Dimension	1510×1160×2000mm	1510×1360×2250mm	1835×1230×1810mm	2770×1785×1810mm
Weight	550kg	560kg/580kg	1150kg	1950kg
Remark	The above models can be used as non underflow shaker desilter.			

DECANTER CENTRIFUGE



◆ Features

1. The straight and cone sections of the drum are made of 2205 duplex stainless steel, and the casting process is adopted.
2. SS316L stainless steel is used for other parts of the drum assembly.
3. The screw carrier is protected by YG6 wear-resisting alloy sheet, which has long service life and easy to repair and replace.
4. The flow distribution port of the screw carrier and the solids discharge port of the drum are protected by wear-resistant alloy sleeve which is easy to be replaced.
5. Drum assembly is protected by removable support frame in transportation to prevent damage from the bearings.
6. The SKF bearings and NSK bearings are selected to improve the stability of the equipment and the service life of the bearings.
7. Frequency conversion control, convenient for customers to adjust the VFD to meet different working conditions.
8. Electrical components are international brands Schneider or Siemens. Current overload protection and mechanical limit switch with double protections are adopted.

◆ Application

Centrifuge is the last solid control equipment in the drilling process, which is mainly used to treat 2-7 μ m solid particles in the drilling fluid. It also can be used to recover barite powder in the drilling fluid. In heavy density drilling fluids, centrifuges are mainly used to quickly restore the specific gravity properties of drilling fluids to control viscosity and separate solids and colloid from 2~7 μ m.

MODEL	HYLW600B-1	HYLW450N-1	HYLW450N-2	HYLW355N-1	HYLW355NB-1
Diameter of Drum	600mm	450mm	450mm	355mm	355mm
Length of Drum	1500mm	1000mm	1250mm	1250mm	1250mm
Speed of Drum	2200r/min	2200r/min	3200r/min	3200r/min	0 ~ 3200r/min
Capacity	90m ³ /h	50m ³ /h	50m ³ /h	40m ³ /h	40m ³ /h
Separation Factors	815	815	2035	2035	0 ~ 2035
Separation Point	5 ~ 7 μ m	5 ~ 7 μ m		2 ~ 5 μ m	2 ~ 7 μ m
Differential speed	40r/min	40r/min	30r/min	30r/min	0-30r/min
Differential Ratio	35:1			57:1	
Main Motor Power	55kw	30kw	37kw	30kw	37kw
Auxiliary Motor Power	15kw	7.5kw	7.5kw	7.5kw	7.5kw
Explosion Class	ExdIIBt4 / IECEX / ATEX				
Weight	4800kg	2700kg	3200kg	2900kg	3200kg
Dimensions	2900×1900×1750mm	2600×1860×1750mm	2600×1860×1750mm	2600×1620×1750mm	2600×1620×1750mm

CENTRIFUGAL PUMP



◆ Product Features

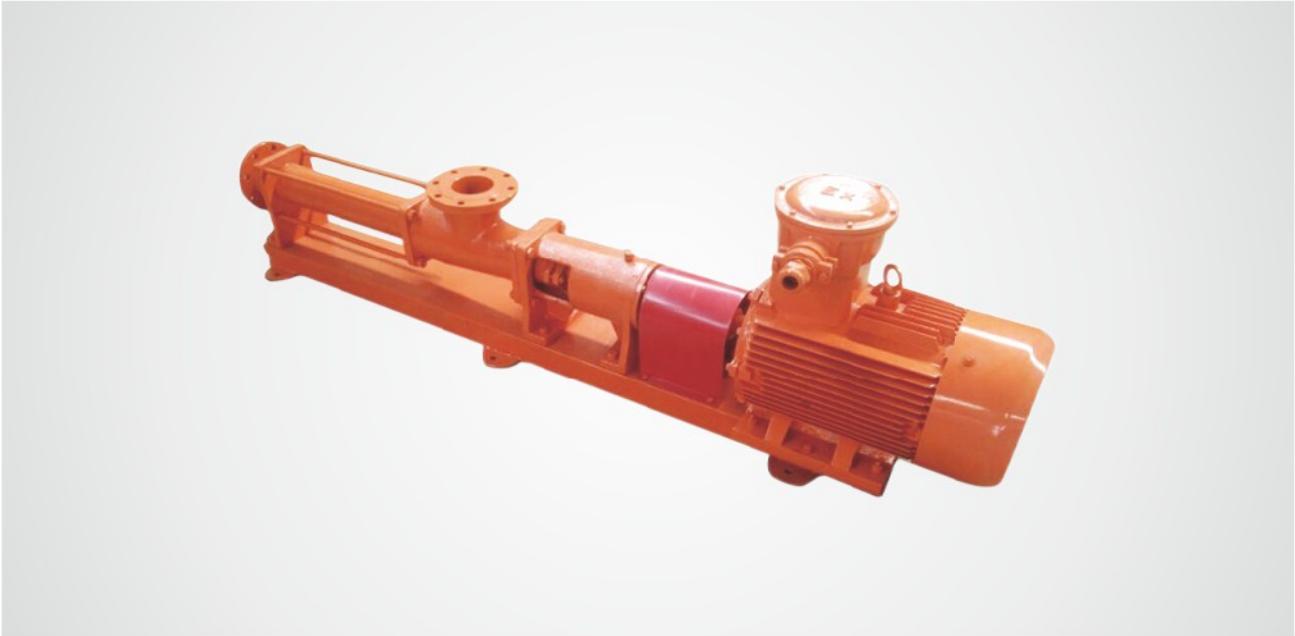
1. Pump body adopts alloy cast iron. It has longer service life.
2. The use of precision casting technology greatly reduces the incidence of casting defects.
3. Mechanical seal and asbestos double seals.
4. Bearings are imported SKF bearings, oil seals are imported fluorine rubber oil seal.

◆ Application

Centrifugal pump is mainly used to provide power for mud. It transports slurry through pipelines. It can be widely used for feeding the slurry for a desander, desilter, mixing pump of jet mud mixer, measuring pump and filling pump of the mud pump, etc.

MODEL	CAPACITY	LIFT	IMPELLER DIAMETER	POWER	FREQUENCY	EXPLOSION STANDARD	WEIGHT	DIMENSIONS
HYSB8×6-14J	320m³/h	40m	14in	75kw	50HZ	ExdIIBt4/IECEX/ATEX	1096kg	1968×650×1017mm
HYSB8×6-12J			12in		60HZ			
HYSB8×6-13J	275m³/h	35m	13in	55kw	50HZ		987kg	1894×650×957mm
HYSB8×6-11J			11in		60HZ			
HYSB6×5-13J	200m³/h	35m	13in	45kw	50HZ		786kg	1811×558×858mm
HYSB6×5-10J			10in		60HZ			
HYSB6×5-12J	150m³/h	30m	12in	37kw	50HZ		771kg	1786×558×858mm
HYSB6×5-9J			9in		60HZ			
HYSB5×4-13J	120m³/h	35m	13in	30kw	50HZ		696kg	1696×568×805mm
HYSB5×4-11J			11in		60HZ			
HYSB5×4-12J	90m³/h	30m	12in	22kw	50HZ		583kg	1648×568×800mm
HYSB5×4-10J			10in		60HZ			
HYSB4×3-13J	65m³/h	35m	13in	18.5kw	50HZ	561kg	1595×505×800mm	
HYSB4×3-12J			12in		60HZ			
HYSB4×3-12J	55m³/h	28m	12in	15kw	50HZ	482kg	1550×505×755mm	
HYSB4×3-10J			10in		60HZ			
HYSB4×3-11J	45m³/h	25m	11in	11kw	50HZ	464kg	1510×505×755mm	
HYSB4×3-9.5J			9.5in		60HZ			
HYSB3×2-10J	30m³/h	20m	10in	7.5kw	50HZ	380kg	1398×490×717mm	
HYSB3×2-9J			9in		60HZ			

SCREW PUMP



◆ Features

1. Single screw pump is the ideal equipment of the slurry feeding for decanter centrifuge. The main components are screw shaft (rotor) and screw sleeve (stator). The unique design of the two parts produces extrusion volume respectively, and the waste slurry flows along the axis with low internal flow rate, capacity maintaining and stable pressure. This won't generate vortex and agitation. The pump screw is made of stainless steel, Hyang Oil & Gas has an all-stainless steel body screw pump for your option.

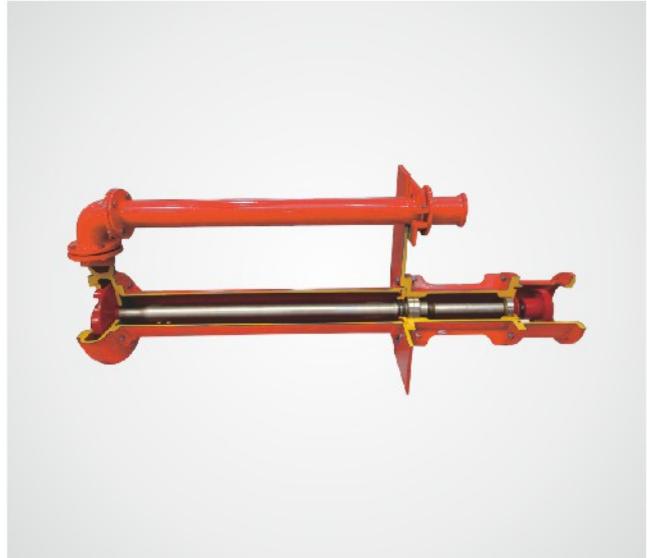
2. Screw pump can be adjusted speed by coupler or by variable speed motor, and driven by triangle v-belt and gear box. HYG series screw pump has features of fewer accessories, compatible structure, small volume and easy maintenance. The rotor and stator are vulnerable parts of screw pump for easy replacement. The stator is made of synthetic rubber material. Compared with other pumps, it has special advantages in transferring waste slurry with high viscosity and hard suspensions.

◆ Application

In solids control system, single screw pump is often used as centrifuge feeding pump.

MODEL	CAPACITY	PRESSURE	POWER	INLET SIZE	OUTLET SIZE	EXPLOSION STANDARD	WEIGHT	DIMENSIONS
HYG10A-040	10m ³ /h	0.3MPA	4KW	3	3	ExdIIBt4/IECEX/ATEX	245kg	2245×320×550mm
HYG20A-055	20m ³ /h		5.5KW	3	3		323KG	2450×340×562mm
HYG30A-075	30m ³ /h		7.5KW	4	4		386kg	2761×370×600mm
HYG40A-110	40m ³ /h		11KW	5	5		454kg	3270×370×665mm
HYG50A-110	50m ³ /h		11KW	5	5		608kg	3790×400×782mm
HYG60A-150	60m ³ /h		15KW	5	5		649kg	3322×550×740mm
HYG70A-220	70m ³ /h		22KW	6	6		875kg	3740×420×785mm
HYG80A-220	80m ³ /h		22KW	6	6		875kg	3740×420×785mm
HYG90A-220	90m ³ /h		22KW	6	6		875kg	3740×420×785mm

SUBMERSIBLE SLURRY PUMP



◆ Features

HYYZ series submersible slurry pump are mainly used to supply slurry from mud pits to shale shaker and decanter centrifuge. It's single-stage type with single suction cantilever structure. Our YZ series submersible slurry pump adopts bearing seat, supporting seat and connecting pipes to connect the hydraulic components of the pump. Liquid is discharged from liquid outlet pipe. The impeller of pump is semi-open type, and it's equipped with mixing blade in the stretch part of impeller inlet. The main feature of the submersible slurry pump is that the pump shaft in the submerged part has sufficient rigidity. There are no bearings and no shaft seals between impeller and pump casing. It can transport medium containing solid particles with larger concentration. The standard length of the pump into the liquid is 1.3 meters, and it can be equipped with a suction pipe if necessary. The shaft seal is operated by inserting the pump into the liquid, without a shaft seal. The transmission works by installing vertical motor on the motor support seat, and is connected with the pump and coupling.

◆ Application

Submersible slurry pump can be used as the feeding pump for centrifuge.

MODEL	CAPACITY	LIFT	SPEED	POWER
50YZ25-12	25m ³ /h	12m	1430r/min	3kw
50YZ20-18	20m ³ /h	18m	1430r/min	4kw
80YZ50-20B	40m ³ /h	16m	1440r/min	5.5kw
80YZ50-20	60m ³ /h	17.5m	1440r/min	7.5kw
80YZ80-20	90m ³ /h	22m	1460r/min	11kw
100YZ100-30A	75m ³ /h	30m	1470r/min	18.5kw
100YZ100-30	60m ³ /h	36m	1470r/min	22kw
100YZ160-38B	82m ³ /h	33m	1480r/min	30kw
100YZ120-60	120m ³ /h	40m	1480r/min	45kw
150YZ250-40A	135m ³ /h	35m	1480r/min	55kw
150YZ250-40B	120m ³ /h	28m	1480r/min	37kw

SHEAR PUMP



◆ Product Features

1. Adopt mechanical sealing technology, reliable operation and long service life.
2. Provide high shear force for rapid hydration of high molecular polymer (or clay), and solve the outstanding problem of polymer (or clay) in drilling fluid due to poor hydration.
3. Greatly improve the hydration degree of soil particles, and save more than 30% of bentonite.

◆ Application

In drilling fluids, the polymer is not sufficiently shear to produce many "fish-eyes", which damages the formation and reduces the formation permeability, oil and gas formation cut. Therefore, the polymer needs to be pre-cut, and then enter the drilling fluid system to improve the drilling fluid performance, to give full play to its role. Shear pump can provide high shear efficiency, accelerate the polymer dilution, and hydration process.

MODEL	CAPACITY	LIFT	POWER	WEIGHT	DIMENSIONS
HYQB6545	150m ³ /h	45m	55kw	980kg	1050×1000×1280mm
HYQB6535	100m ³ /h	35m	37kw	800kg	1050×1000×1230mm

MUD AGITATOR



◆ Product Features

1. Optimized product structure, small size and compact structure.
2. HYJBQ series agitators have the smooth operation, low noise, long service life, less vulnerable parts, high cost performance etc.
3. Adopt high-pressure airless spraying equipment for construction, and achieve beautiful appearance and anti-corrosion effect through primer, medium paint, finish paint and other processes.
4. Agitator shaft and impeller are processed by grinding and pickling, galvanizing, hot dip galvanizing, passivation, and fine grinding, which greatly improves the service life and anti-corrosion effect.

◆ Application

Mud agitator is mainly used for mixing drilling fluid, which aims to maintain the uniformity of drilling fluid, suspend the solid phase particles, prevent the solid particles from precipitation, and ensure the reliable performance of drilling mud.

MODEL	POWER	IMPELLER SPEED	IMPELLER DIAMETER	IMPELLER QTY	EXPLOSION STANDARD	WEIGHT	DIMENSIONS
HYJBQ3	3Kw	60/72r/min	600mm	1	ExdIIBt4/IECEX/ATEX	190kg	909×525×527mm
HYJBQ5.5	5.5Kw		600mm	1		250kg	1072×610×588mm
HYJBQ7.5	7.5Kw		650mm	2		380kg	1157×670×607mm
HYJBQ11	11Kw		800mm	2		430kg	1297×740×692mm
HYJBQ15	15Kw		950mm	2		480kg	1330×890×747mm
HYJBQ18.5	18.5Kw		1000mm	2		740kg	1510×890×753mm
HYJBQ22	22Kw		1100mm	2		780kg	1529×890×753mm
Remark	Above weight and dimension don't include mud agitator shaft.						

MODEL	POWER	REDUCER	IMPELLER SPEED	IMPELLER DIAMETER	RATIO	DIMENSIONS	POWER SUPPLY	SHAFT LENGTH	CERTIFICATE
HYJBQ3	3Kw	Helical gear structure	60/72RPM and other	350mm	1:25/ 1:20 and other	420×330×375mm	220-240V/50Hz 380-415V/50Hz 440-480V/60Hz 575-600/60Hz	Depends on the depth of mud tank	IEC/UL/ATEX/CE
HYJBQ5.5	5.5Kw			600mm		870×600×560mm			
HYJBQ7.5	7.5Kw			750/750mm		906×600×560mm			
HYJBQ11	11Kw			850/750mm		1075×650×630mm			
HYJBQ15	15Kw			950/850mm		1170×720×685mm			
HYJBQ18.5	18.5Kw			950/850mm		1270×1000×727mm			

Remark

1. Motor and bearing can be selected according to customer requirement. The explosion proof can be selected according to the industry.
2. Mud agitator with different powers can be selected according to the density and viscosity of mixing medium and the volume of mixing.
3. The connection form of agitator and motor can be selected according to customer requirements. Direct connection transmission structure or coupling transmission structure can be selected by your requirement.

JET MUD MIXER



◆ Product Features

1. Mixing hopper and sand pump are installed separately.
2. The pump body adopts mechanical seal, which has durable and long service life.
3. Venturi hopper structure design makes it have fast mixing speed, no slurry return.
4. Supporting motor and electronic control are domestic or foreign well-known brands.

◆ Application

The HYSLH series Jet mud mixer is an integral part of the solid control system. The mixer is used to configure the drilling fluid and change its properties such as density, viscosity and water loss.

MODEL	HYSLH150-50	HYSLH150-40	HYSLH150-30	HYSLH100
Capacity	240m ³ /h	180m ³ /h	120m ³ /h	60m ³ /h
Matching Pump	HYSB8×6-13J	HYSB6×5-13J	HYSB5×4-14J	HYSB4×3-11J
Motor Power	55kw	45kw	37kw	11kw
Working Pressure	0.25~0.4MPa	0.25~0.4MPa	0.25~0.4MPa	0.25~0.4MPa
Diameter of Inlet	150mm	150mm	150mm	100mm
Diameter of Nozzle	50mm	40mm	30mm	25mm
Hopper Size	750×750mm	750×750mm	600×600mm	500×500mm
Feeding Speed	≤100kg/min	≤80kg/min	≤60kg/min	≤40kg/min
Weight	1600kg	1450kg	1300kg	1100kg
Dimensions	2200×1700×1200mm	2200×1700×1200mm	2000×1650×1100mm	2000×1650×1100mm

MUD GUN



◆ Features

1. Injection effect is good, rotatable, spray area is large.
2. Length of mud gun can be customized.

◆ Application

1. Assist the mud agitator as the washing tool of tank bottom.
2. It can be divided into low pressure, medium pressure, high pressure three types.

MODEL	HYNJQ50-3	HYNJQ50-3X	HYNJQ80-3	HYNJQ80-3X
Diameter	50mm	50mm	80mm	80mm
Pressure	≤6.4MPa	≤3.2MPa	≤6.4MPa	≤3.2MPa
Qty of Nozzle	1/3e			
Angle of Rotation	N/A	360°	N/A	360°

VERTICAL CUTTINGS DRYER



◆ Features

1. Rotating speed up to 900rpm, which forms 420G separation factor. It separates the fluids in drilling cuttings effectively.
2. Discharge scraper is made of high chromium cast iron with long service life.
3. The assembly of high pressure air knife can prevent the basket from blocking effectively.
4. Each replaceable components are tested by dynamic balance to meet the whole balance of these parts.
5. Independent oil cooling system and scientific tank cooling system meet the requirement of high temperature environment effectively.

MODEL	HYCD930C	HYCD930B-VFD
Capacity	30-50T/h	
Max. Diameter of Dryer Screen	930mm	
Opening of Dryer Screen	0.25 ~ 0.5mm	
Rotation Speed	900r/min	0 ~ 900r/min
Input Pressure of Air Knife	0.69 mpa	
Input Capacity of Air Knife	1.8m ³ /min	
Oil Tank Capacity	60L	
Main Motor Power	55kw	
Oil Pump Power	0.55kw	
Weight	5900kg	5700kg
Dimensions	2750×2130×1800mm	

SCREW CONVEYOR



◆ Features

1. Widely used in building materials, chemical industry, metallurgy, coal carbon, food and other industries.
2. The machine has small section size, good sealing performance, stable and reliable operation performance.
3. The wraparound spiral will increase the volume of transportation.
4. Safe operation and easy maintenance.

◆ Application

HY produced screw conveyor is widely used for horizontal or inclined to transport powdery, granular and small bulk materials, such as coal, ash, slag, cement and mud etc. According to the characteristics of conveying materials and different structure, it can be divided into horizontal screw conveyor, vertical screw conveyor, flexible screw conveyor, spiral pipe(roller conveyor) conveyor.

MODEL	CONVEYOR DIAMETER	CONVEYOR LENGTH	CONVEYOR CAPACITY	MOTOR POWER	ROTATE SPEED
HYL5300-24	300mm	7m	20m ³ /h	5.5kw	60RPM or customized
HYL5300-36		11m		7.5kw	
HYL5300-48		14m		11kw	
HYL5350-24	350mm	7m	30m ³ /h	7.5kw	
HYL5350-36		11m		11kw	
HYL5350-48		14m		15kw	
HYL5400-24	400mm	7m	45m ³ /h	11kw	
HYL5400-36		11m		15kw	
HYL5400-48		14m		18.5kw	

Above conveying parameters are all straight conveying. If inclined conveying, please consult us.

MUD GAS SEPARATOR(POOR BOY)



◆ Features

1. The main body material can be carbon steel or H2S steel plate.
2. Marine heavy anticorrosive painting.

◆ Application

HYZYQ series mud gas separator is the main equipment for removing gas in slurry, stabilizing the mud gravity and reducing blowout accidents. The mud gas separator is specially in drilling deep Wells Location and gas well location are necessary equipment. It is necessary to use the combustible gas produced in the drilling process in conjunction with the electronic ignition device.

MODEL	HYZYQ800	HYZYQ1000	HYZYQ1200
Capacity	180m ³ /h	240m ³ /h	320m ³ /h
Diameter of Main Body	800mm	1000mm	1200mm
Inlet Pipe	DN100mm	DN125mm	DN125mm
Output Pipe	DN150mm	DN200mm	DN250mm
Vent Line	DN200mm	DN200mm	DN200mm
Weight	1750kg	2235kg	2600kg
Dimensions	1900×1900×5700mm	2000×2000×5860mm	2200×2200×6634mm

FLARE IGNITION DEVICE



◆ Features

1. Remote control of ignition is available.
2. AC Ignition and DC Ignition switching to prevent ignition due to insufficient battery power.
3. Fast Ignition speed and high frequency.
4. The top cover is made of stainless steel, and the wind proof structure of the top is reasonable to prevent timely ignition from excessive wind.
5. Electrical components are imported world famous brands. The other components and electrical cables are from domestic well-known brands.

◆ Application

Flare ignition device is an important well control equipment in the drilling process, which can fully burn the harmful gas discharged from the well site to ensure the safety of drilling personnel.

MODEL	HYYPD-20/3	HYYPD-20/3T
Diameter of the main body	Dn200	
Charging Voltage	12V / 220V	
Ignition Medium	Natural gas/LPG	
Ignition Voltage	16kv	16kv
Ignition Method	AC	Solar and AC
Weight	520kg	590kg
Dimensions	1610×650×3000mm	1610×650×3000mm

OTHER TANKS EQUIPMENT



Oil Tank



Water Tank



Mobile Field Camp



Rig Mats



Environment-Friendly Mobile Toilets



Mud Storage Station

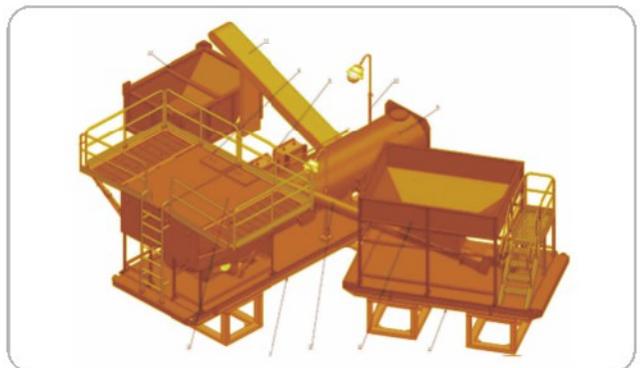
SLUDGE TREATMENT SYSTEM



MUD COOLING SYSTEM



DRILLING CUTTINGS SOLIDIFICATION UNIT



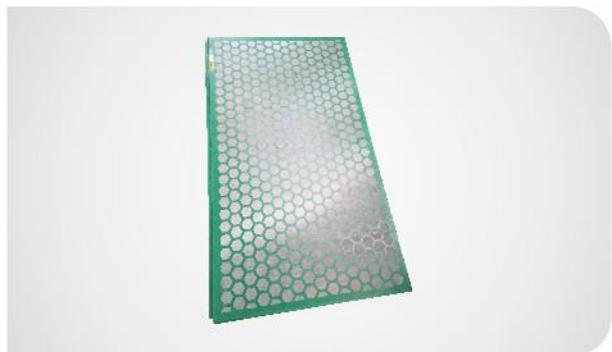
SCREEN MESH

◆ Features

Oil & Gas adopts international advanced technology and mechanized production methods to manufacture Huayang brand shaker screen meshes and alternative shaker screens of international famous brands. The available screen meshes range from API 20 to API 400. Huayang screens have long service life and good separation effect, and all of them meet the standards of American API Petroleum Association.

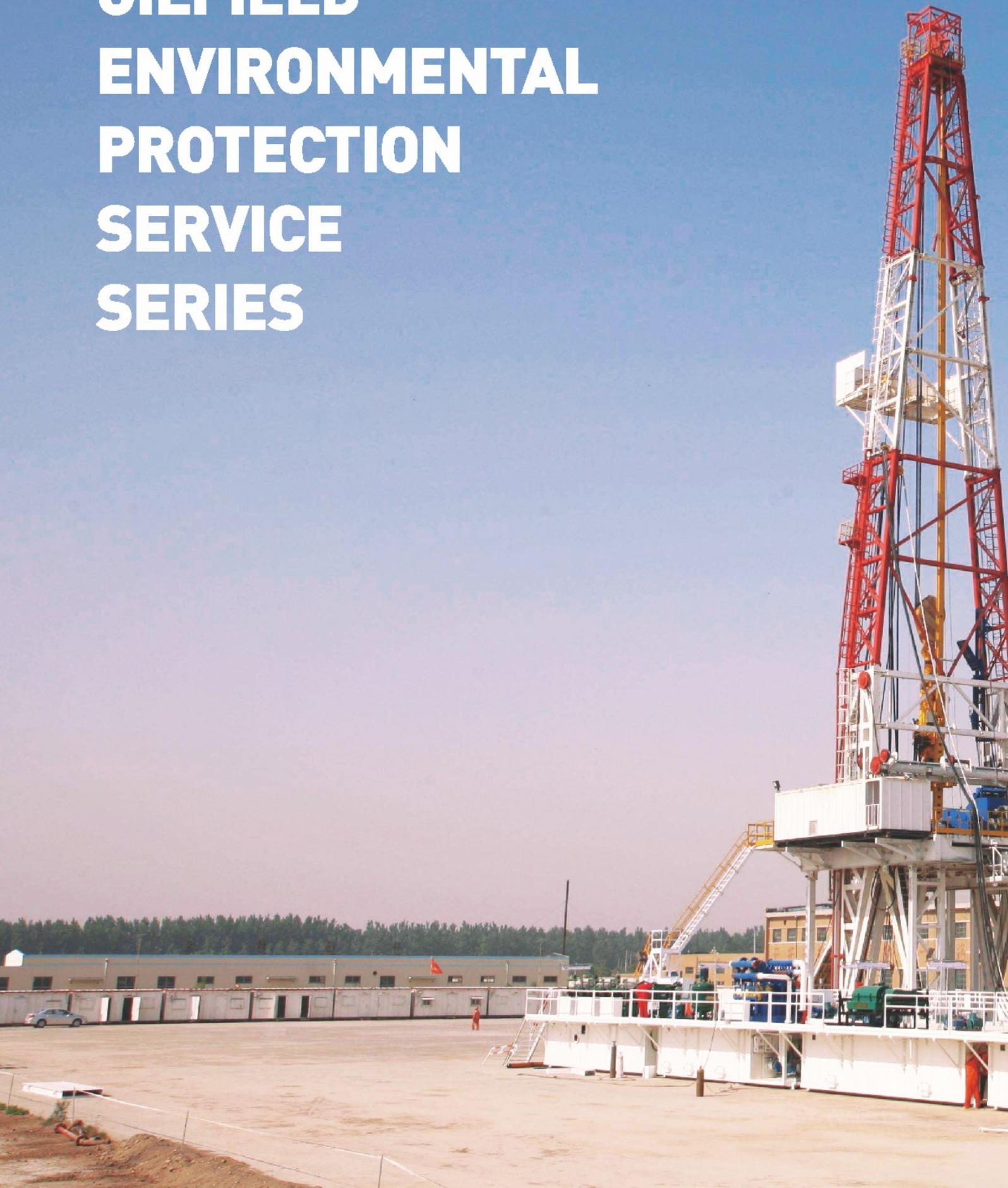


Oilfield shaker screen is mainly divided into frame screen (pyramid screen and flat screen), hook strip screen (pyramid screen and flat screen), hook strip soft screen. Hyang Oil & Gas not only manufactures shaker screens for our own brand shale shaker, but also can customize according to customer requirement. In addition, we manufacture screen meshes of international well-known brands such as Derrick, MI-Swaco, Brandt, etc.



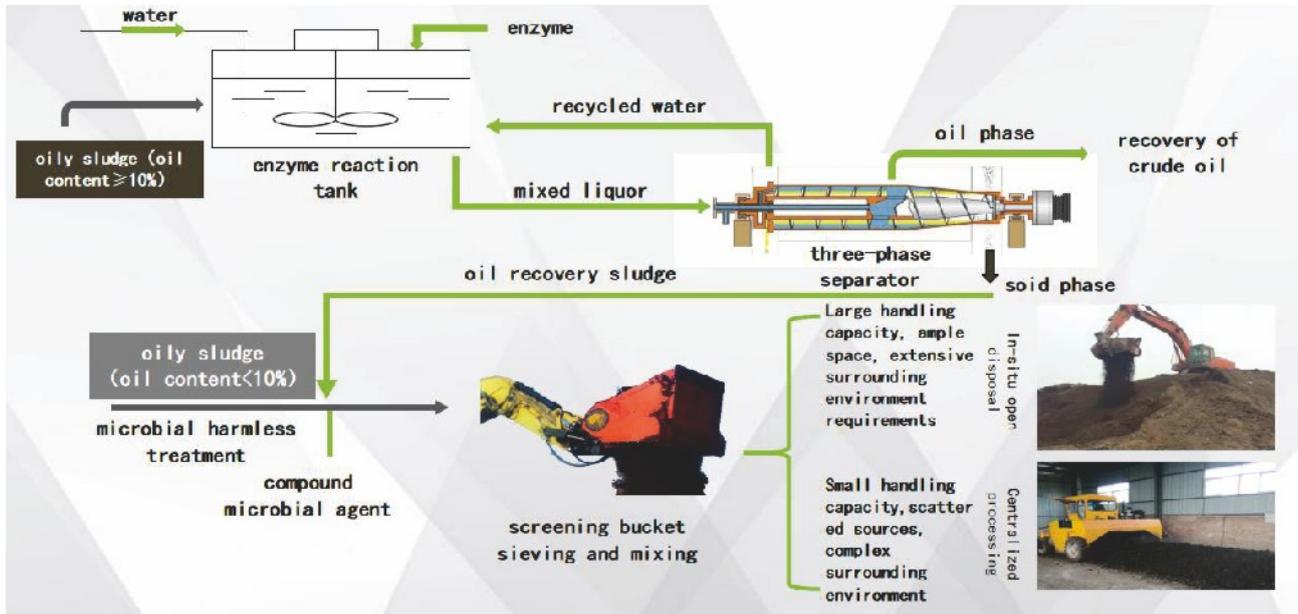
API CODE	D100 (mm)	API CODE	D100 (mm)
API 20	> 780.0 To 925.0	API 120	> 116.5.0 To 137.5
API 30	> 550.0 To 655.0	API 140	> 98.0 To 116.5
API 35	> 462.5 To 550.0	API 170	> 82.5 To 98.0
API 40	> 390.0 To 462.0	API 200	> 69.0 To 82.5
API 50	> 275.0 To 390.0	API 230	> 58.0 To 69.0
API 60	> 213.0 To 275.0	API 370	> 49.0 To 58.0
API 70	> 196.0 To 213.0	API 325	> 41.5 To 49.0
API 80	> 165.0 To 196.0	API 400	> 35.0 To 41.5
API 100	> 137.5 To 165.0		

OILFIELD ENVIRONMENTAL PROTECTION SERVICE SERIES

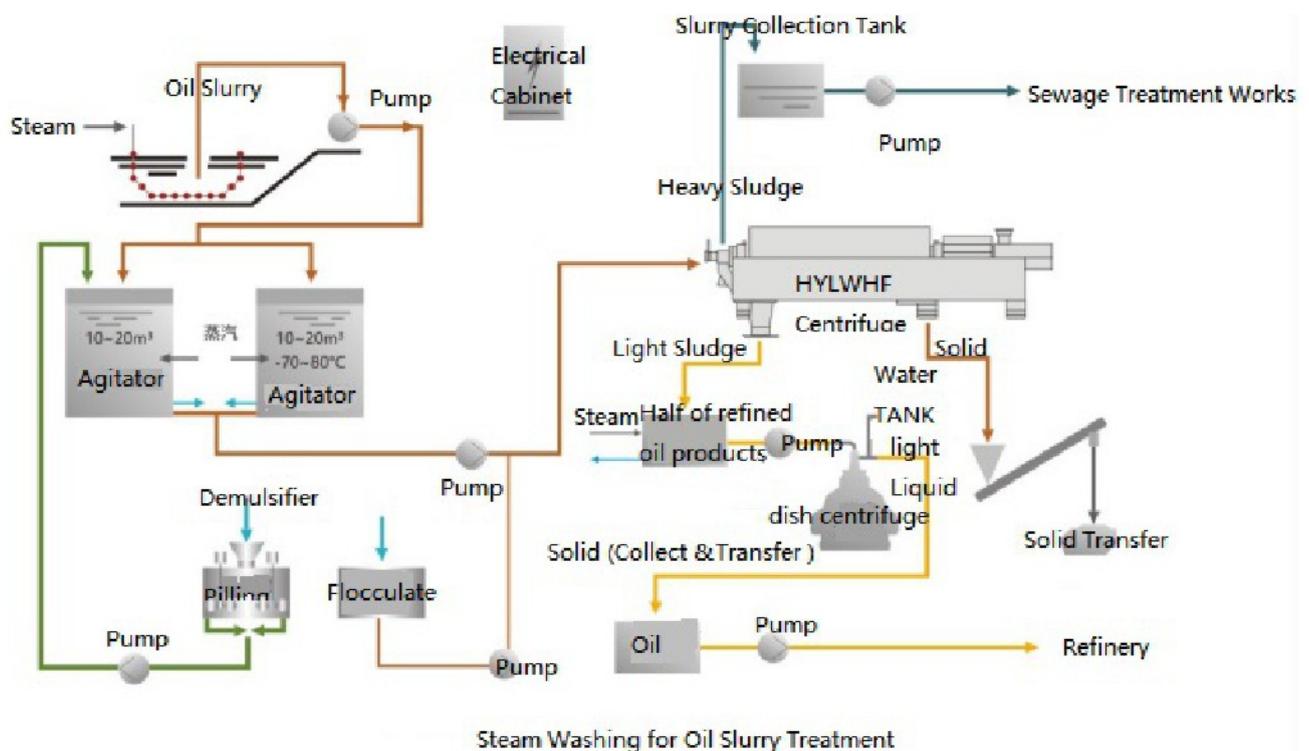




MICROBIAL TREATMENT OF OIL SLUDGE

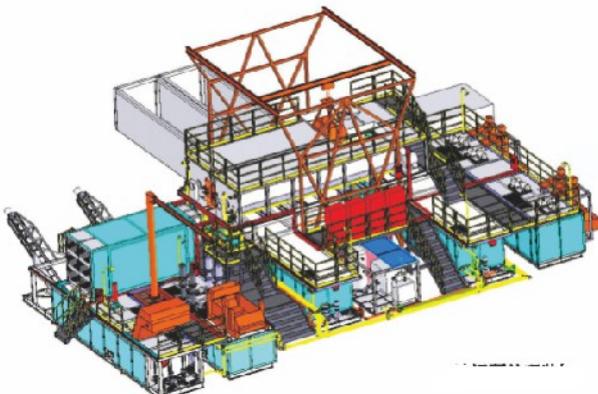
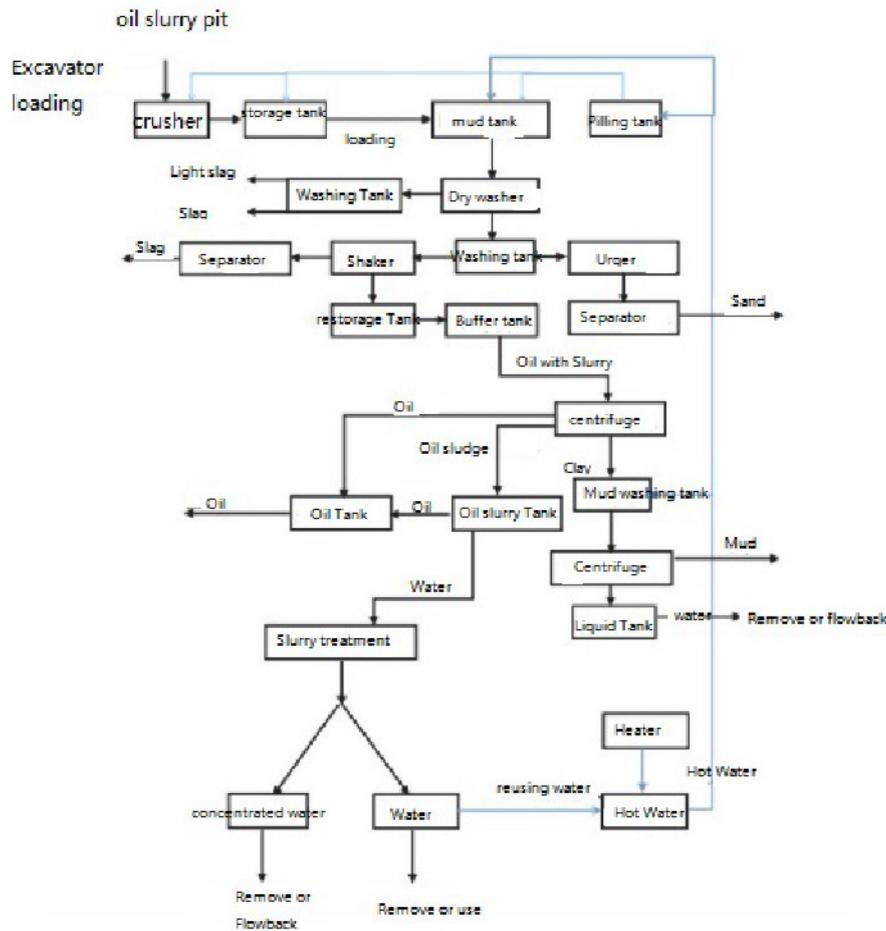


◆ Flow chart of oily sludge treatment

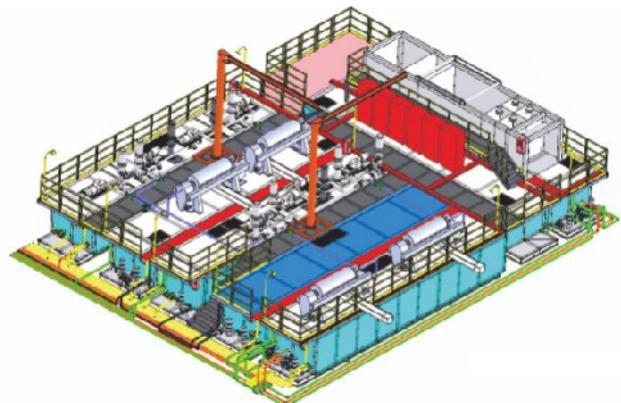


◆ Chemical thermal washing

The fine chemical thermal washing process technology of heavy oil sludge containing various impurities adopts the classification step cleaning process. Through crushing, grinding, thermal fluidization, thermal washing, thermal refining, dehydration and filtering, the impurities in the heavy oil sludge are separated in a single stage, and then single phase recovery is carried out through special equipment. Finally the impurities in the treatment process are transformed into solid phase single-stage thermal cleaning such as uniform smaller than 200 mesh fine sand, and they are separated and disposed of at the same time. The oil content of the final solid phase soil is reduced to less than 0.45%, and the liquid phase meets the receiving requirements of the sewage station. It can also increase the advanced treatment of sewage into desalinated water for recycling, and the oil phase can be recycled.

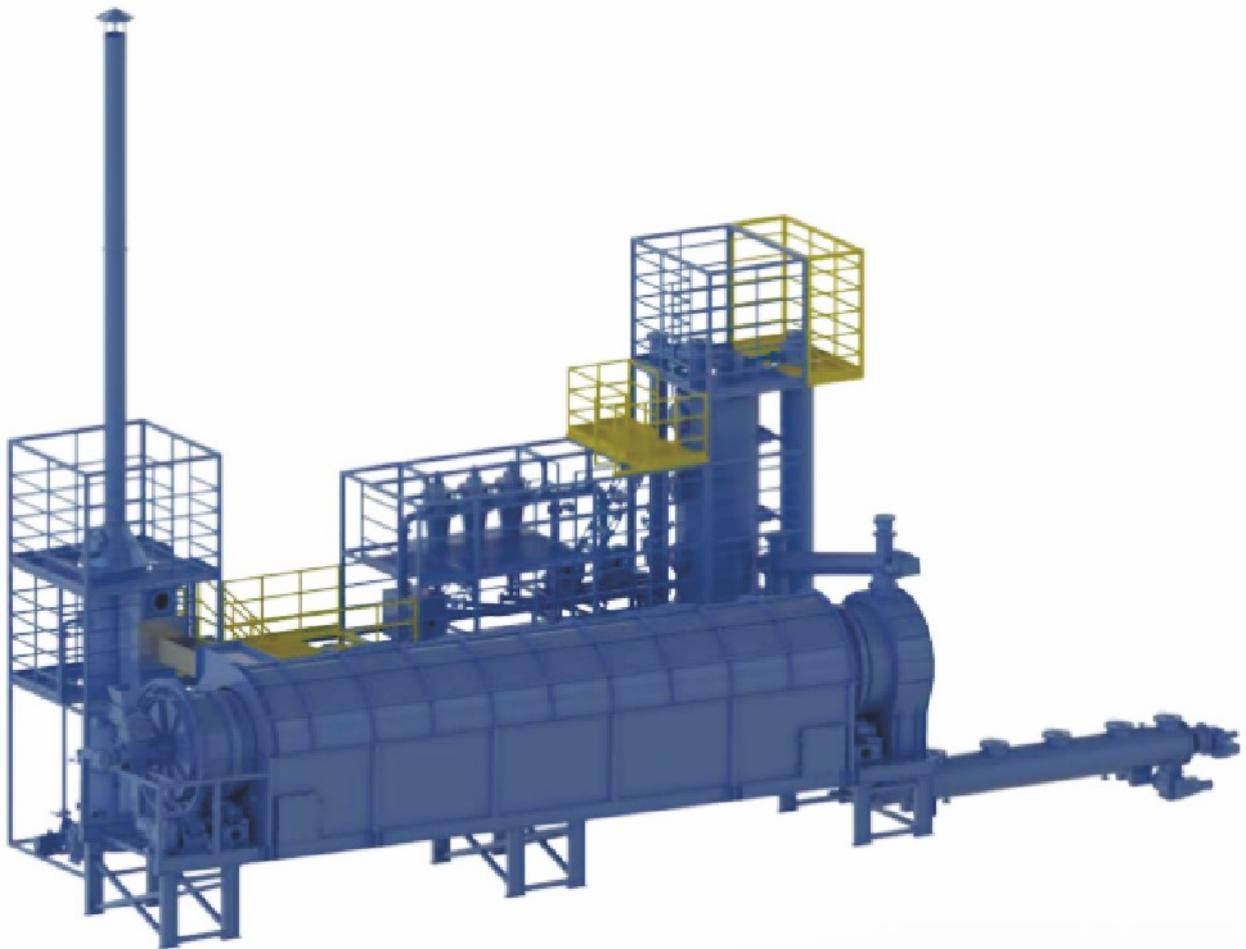
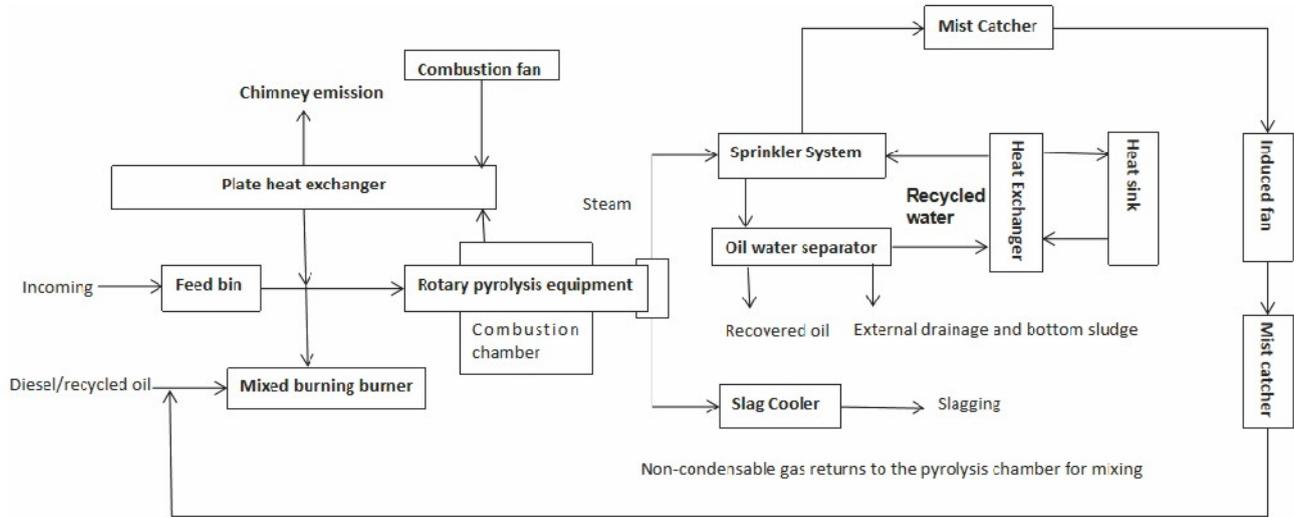


Sludge Pretreatment Device

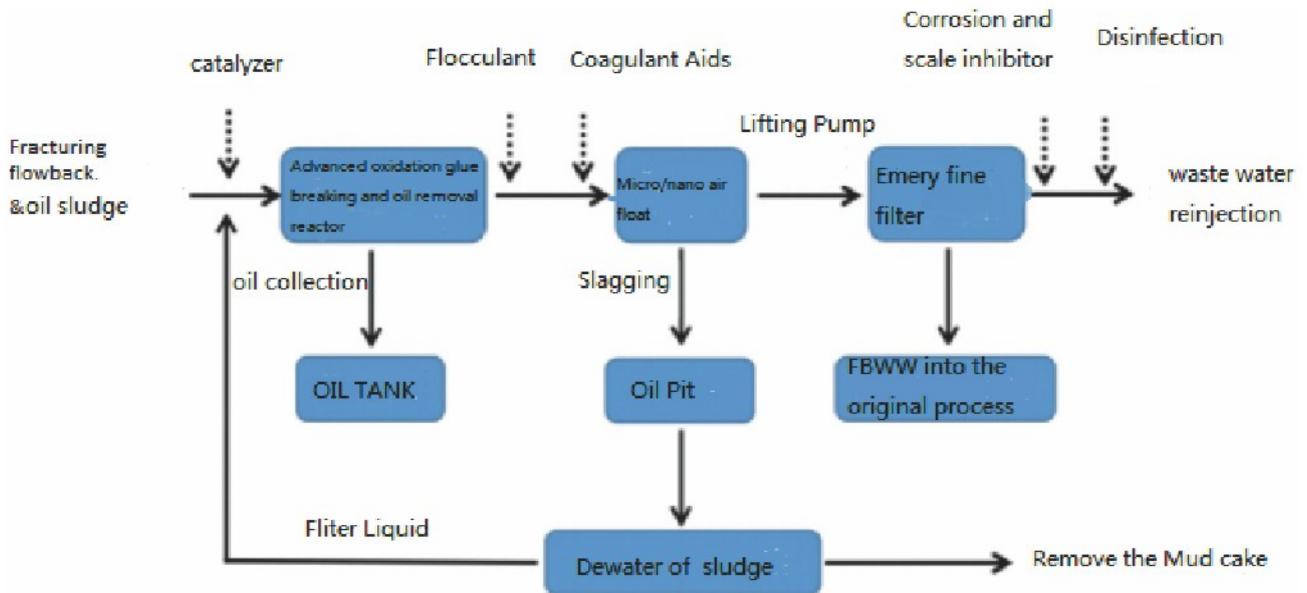


Chemical Fine Thermal Washing Device

◆ Indirect thermal analysis



FRACTURING FLOW-BACK FLUID



◆ Products Profile

