

DECANTER CENTRIFUGE



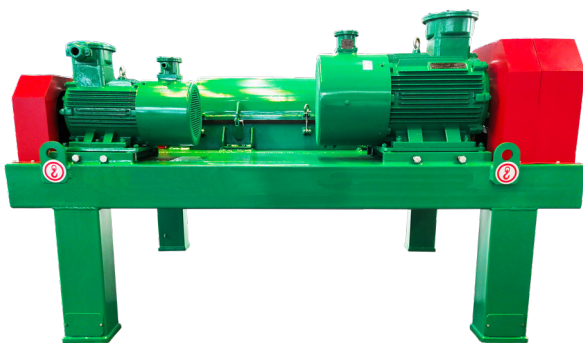
 Xi'an, China

energy  Q1
Registered
Manufacturer

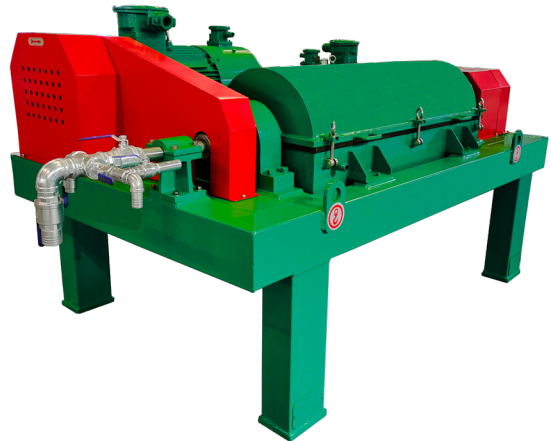
THE MACHINE WORKS BY USING

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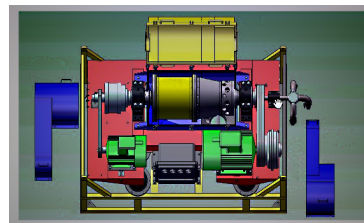
- **Our Decanter Centrifuge** delivers exceptional separation performance. Through high-velocity rotation, it generates potent centrifugal forces for efficient solid-liquid separation
- **This immense centrifugal force** enables micron-level precision, consistently removing particles as fine as 5–10 microns from viscous fluids
- **The high-performance design** not only enables rapid separation but also ensures remarkable accuracy in handling industrial fluids, delivering seamless and highly efficient production processes.
- **Whether your operations** involve processing high-volume wastewater in manufacturing or separating precious solids from liquid suspensions in mining applications, our centrifuge consistently achieves separation results surpassing industry standards.



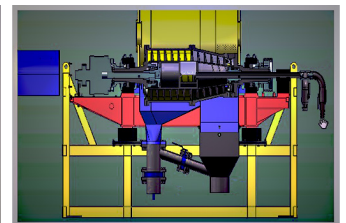
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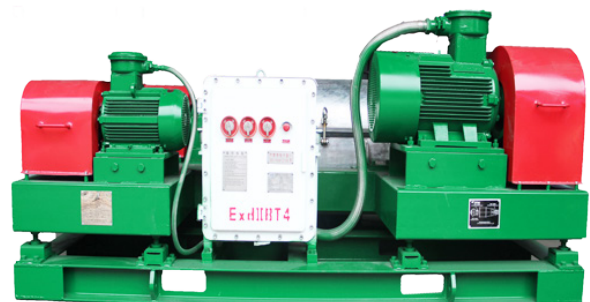
Decanter Centrifuge



Structural diagram



Structural diagram



Decanter Centrifuge

KEY ADVANTAGES OF CENTRIFUGES

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- **First**
Straight and cone section of the drum are made from 2205 duplex stainless steel material, adopt centrifugal casting process.
- **Second**
Remaining components of the drum assembly are made from SS316L.
- **Third**
Drum assembly is protected with demountable support frame in transit, preventing damage to bearing.
- **Fourth**
Schneider or Siemens electrical components. Current overload & mechanical limit switch dual protections.
- **Fifth**
Using imported SKF and NSK bearings to improve equipment stability and bearing life.
- **Sixth**
Diversion port of screw pusher and slag-drip opening of the drum are protected by replaceable wear-resistant alloy sleeve, delaying the service life and maintenance cycle.
- **Seventh**
Frequency control facilitates customers to adjust speed at any time, meeting different working conditions.
- **Eighth**
Screw carrier adopts YG6 wear-resistant alloy sheet protection. With long life, easy maintenance and replacement.



COMPETITIVE ADVANTAGES

FIRST

- We offer high quality products at competitive price.
- Shortest delivery time.
- Flexible payment terms.

SECOND

- Timely after-sale service.
- Most of our equipment can be replaceable with international brands.

FINALLY

- Our products have been exported to Argentina, Egypt,US, Australia, Romania,Pakistan,Dubai, Abu Dhabi, Iran, India, Indonesia, Vietnam, Malaysia and many other countries.



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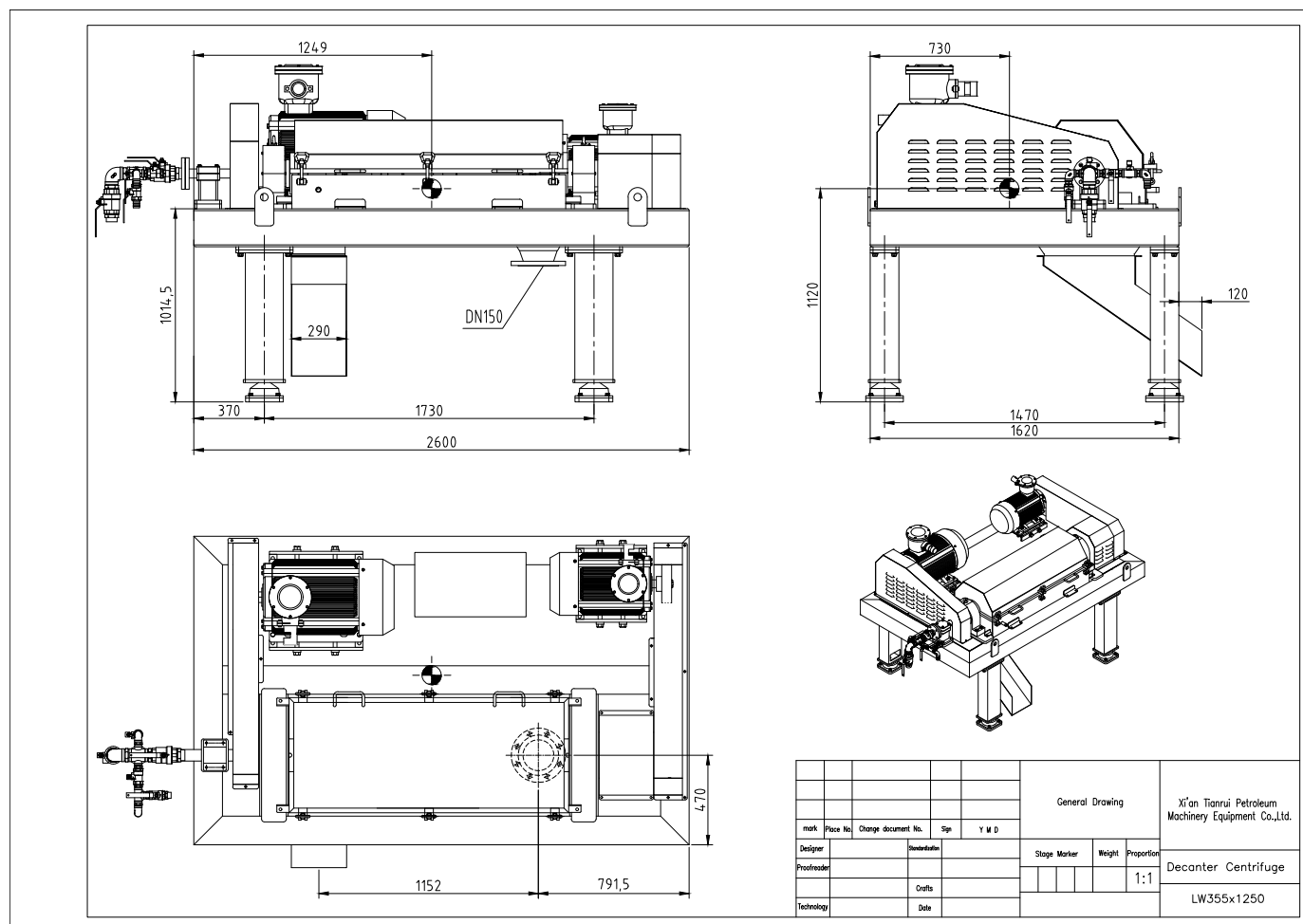


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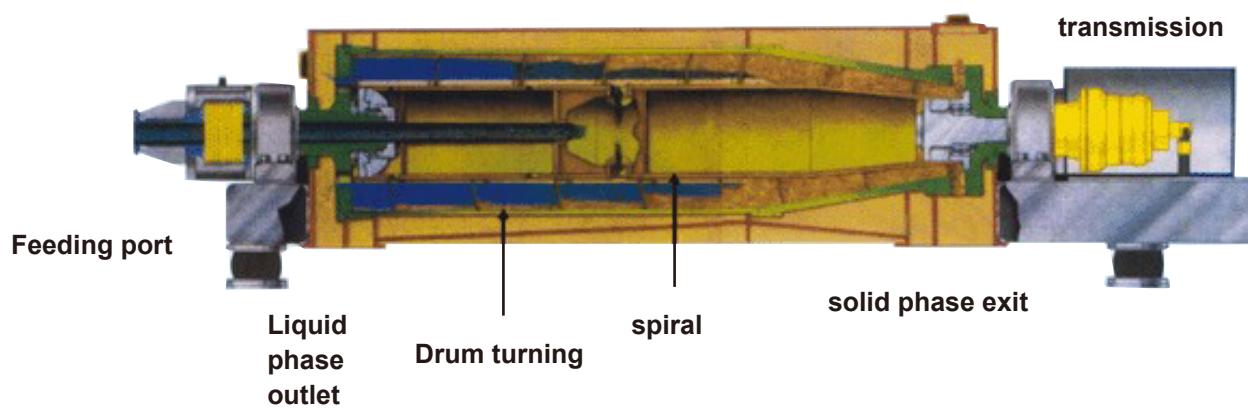


Decanter Centrifuge

CENTRIFUGE SIZE DIAGRAM



ANATOMY OF A CENTRIFUGE



VERTICAL CUTTING DRYER SPECIFICATIONS

Model	TRGLW355N-1	TRGLW450N-2	TRGLW450N-3	TRGLW550N-1
Bowl Diameter	355mm (14inch)	450mm (17.7inch)	450mm (17.7inch)	550mm (22inch)
Bowl Length	1250mm(49.2inch)	1250mm(49.2inch)	1600(64inch)	1800mm(49.2inch)
Max Capacity	40m ³ /h	60m ³ /h	70m ³ /h	90m ³ /h
Max Speed	3800r/min	3200r/min	3200r/min	3000r/min
Rotary Speed	3200r/min	3000r/min	2800r/min	2600r/min
G-Force	3018	2578	2578	2711
Separation	2~5μm	2~5μm	2~5μm	2~5μm
Main Drive	30kW-4p	30kW-4p	45kW-4p	55kW-4p
Back Drive	7.5kW-4p	7.5kW-4p	15kW-4p	22kW-4p
Weight	2950kg	3200kg	4500kg	5800kg
Dimension	2850X1860X1250	2600X1860X1250	2950X1860X1250	3250X1960X1350

(Note: Rotary speed can be adjustable as per user's requirements)



Xi'an Tianrui Petroleum Machinery Equipment Co., Ltd.,
established in 2010, is a modern manufacturer of solids
control equipment certified to both API Q1 and ISO 9001
standards.

Address: Baihualin Financial Innovation Center,
Xi'an City, Shaanxi Province, China

Website: www.xatrsy.com

Email: sales@trsolidscontrol.com

Phone: +86-029-86332919

Fax: +86-029-86332919

PO Box: 710016

