



Cleaning the world one *drop at a time...*



We believe the possibility exists
in creating a better atmosphere and caring
for the environment.



Kubco Decanter Services (KDS), specializes in the technological aspect of the separation of liquids and solids through our centrifuge decanters. Founded by a group of experts in the different areas of the industry, **KDS** offers experience as well as service; a service that goes beyond any other in its market. Our centrifuge equipment is strictly designed to meet the needs of your business.

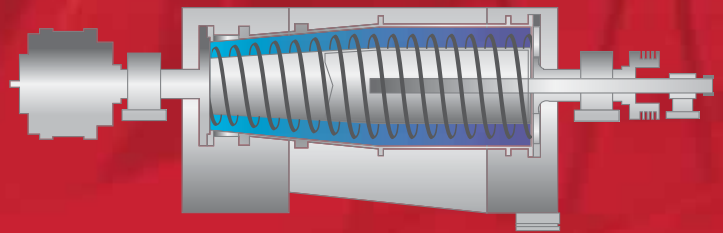
Companies these days demand a specialized process to help them take advantage of all their resources and at the same time meet environmental regulations. The combination of these two factors make companies lean towards a greener alternative. **KDS** helps their clients find productive ecological solutions at a reasonable cost.

The **centrifuge** process is the movement of particles in a fluid under centrifugal force. This action is similar to the displacement of particles in a gravitational field. This causes the accumulated solids to head in one direction while the liquids are expelled at the opposite end.

Centrifuges can be:

Two phases for the separation of one type of liquid and a type of solid.

Three phases: For separation of different liquids with different weights (specific gravity) and a solid.



Our proposal for your industry is,
“everything in one place” referring to your centrifuge decanter and related services. We are committed to offer you a true experience of service and liability for your company and your process...
In the present and in the future.





Important and Effective



The advantage of our centrifuge is that while cleaning your process it can accomplish a reduction of moisture in the solids without the use of polymers or chemicals in the majority of the cases. The centrifuge can operate 24/7 with minimum maintenance which increases your bottom line.

Benefits

- Implementation does not require large amounts of space.
- A more efficient and faster process.
- Selective models feature variable frequencies where speeds can go from 2 to 100 deltas.
- Low costs because of its automatic operation.
- Excellent maintenance intervals..

Besides a complete inventory of centrifuges and spare parts for all types of industries, **KDS** counts on a team of maintenance and technical service professionals whose objective is to maintain your centrifuge. With this in mind, **KDS** maintains a determined dedication to offer you and your company the best information advice and technical support before and after you acquire your centrifuge equipment... ***Experience and liability at your service.***



Values:

**Quality
Service
Experience
Efficiency
24 / 7**



Our team will analyze your business and advise you if your goals can be achieved by purchasing a new or used equipment.

Important factors in choosing your equipment:

- Budget
- Compatibility
- Production Volume

We know you need a centrifuge that is fully compatible in your field of work and improves your operation. Some of the main advantages found in a **KDS** equipment is its high performance; operated in a simple but efficient manor that requires no complicated skill or trained personnel of a specific branch.

Equipment

Success begins ... selecting the right equipment.

Kubco has a centrifuge to suit your different production requirements and the optimal maintenance plan.



Model KHV418

Centrifuge Type:
Kubco Model KHV418
Material of construction:
Stainless Steel
Bowl diameter:
14"
Bowl Length:
56"
Conveyor type:
Axial Flow
Conveyor wear protection:
Tungsten carbide segments
Conveyor lead and pitch:
110 MM

Gear unit type:
3.5 (planetary)
Gear unit ratio:
57:1
Torque out style:
Manual G.S. Coupling
Bowl sheave diameter:
Split 4G3V5.6 / 4G3V7.4
Pool depth setting:
4 Adjustable 360 degree dams
Main Drive Motor:
50 HP
Back Drive Motor:
20 HP
Maximum Speed:
4000 RPM
Maximum G-Force:
3180



Model K-2460

Centrifuge Type:
Kubco Model K-2460
Material of construction:
Carbon Steel
Bowl diameter:
24"
Bowl Length:
60"
Conveyor type:
Radial Flow
Conveyor wear protection:
Hard surface
Conveyor lead and pitch:
Double 9"

Gear unit type:
SA-69 (planetary)
Gear unit ratio:
140:1
Torque out style:
Shear pin
Bowl sheave diameter:
5G5V13
Pool depth setting:
4 Adjustable 360 degree dams
Main Drive Motor:
75 HP
Maximum Speed:
2300 RPM
Maximum G-Force:
1802



Model NX314

Centrifuge Type:
Kubco Model NX314
Material of construction:
Stainless Steel
Bowl diameter:
14"
Bowl Length:
34-1/2"
Conveyor type:
Radial Flow
Conveyor wear protection:
Hard face blades
Conveyor lead and pitch:
70 MM

Gear unit type:
2.5 (planetary)
Gear unit ratio:
159:1
Torque out style:
trip design
Bowl sheave diameter:
4G3V5.6
Pool depth setting:
4 Adjustable 360 degree dams
Main Drive Motor:
20 HP
Maximum Speed:
4000 RPM
Maximum G-Force:
3180



Model K-618

Centrifuge Type:
Kubco Model K-618
Material of construction:
Stainless Steel
Bowl diameter:
6"
Bowl Length:
18"
Conveyor type:
Radial Flow
Conveyor wear protection:
None (options: hard surface)
Conveyor lead and pitch:
Double, 2"
Gear unit type:
K-87 (cycloidal)

Gear unit ratio:
87:1
Torque out style:
Electric back drive
Bowl sheave diameter:
3G3V4.50
Pool depth setting:
4 Adjustable 360 degree dams
Main Drive Motor:
10 HP
Back Drive Motor:
5 HP
Maximum Speed:
4800 RPM
Maximum G-Force:
1963



Model K-2438CS

Centrifuge Type:
Kubco Model K-2438CS
Material of construction:
Carbon Steel
Bowl diameter:
24"
Bowl Length:
38"
Conveyor type:
Radial Flow
Conveyor wear protection:
Hard surface
Conveyor lead and pitch:
Double 6"

Gear unit type:
SA-69 (planetary)
Gear unit ratio:
80:1
Torque out style:
Shear pin
Bowl sheave diameter:
5G5V10.3
Pool depth setting:
4 Adjustable 360 degree dams
Main Drive Motor:
40 HP
Maximum Speed:
2400 RPM
Maximum G-Force:
1963



Model K-3400

Centrifuge Type:
Kubco Model K-3400
Material of construction:
Stainless Steel
Bowl diameter:
14"
Bowl Length:
48"
Conveyor type:
Axial Flow
Conveyor wear protection:
Tungsten carbide segments
Conveyor lead and pitch:
Single 4.25"

Gear unit type:
P-52 (planetary)
Gear unit ratio:
52:1 or 125:1
Torque out style:
Manual
Bowl sheave diameter:
5G3V5.75
Pool depth setting:
4 Adjustable 360 degree dams
Main Drive Motor:
40 HP
Maximum Speed:
4000 RPM
Maximum G-Force:
3180

**Model KW-5200****Centrifuge Type:**

Kubco Model KW-5200

Material of construction:

Stainless Steel

Bowl diameter:

21"

Bowl Length:

52"

Conveyor type:

Axial or radial

Conveyor wear protection:

Tungsten carbide tiles

Conveyor lead and pitch:

Double 8"

Gear unit type:

K-100 (Planetary) 100,000 IN/

LBS Torque

Gear unit ratio:

76-1

Torque out style:

Spring loaded torque out

assembly (Optional)

Bowl sheave diameter:

14"

Pool depth setting:

0"-4"

Main Drive Motor:

100 HP

Back Drive Motor:

20 HP (Optional)

Maximum Speed:

3200 RPM

Maximum G-Force:

3053

**Model K-9000****Centrifuge Type:**

Kubco Model K-9000

Material of construction:

Stainless Steel or Carbon

Steel

Bowl diameter:

18"

Bowl Length:

50"

Conveyor type:

Axial Flow

Conveyor wear protection:

Tungsten carbide

segments

Conveyor lead and pitch:

Double 6"

Gear unit type:

K-49 (planetary)

Gear unit ratio:

80:1

Torque out style:

Shear pin

Bowl sheave diameter:

5G5V10.5

Pool depth setting:

4 Adjustable 360 degree

dams

Main Drive Motor:

60 HP

Maximum Speed:

2600 RPM

Maximum G-Force:

1727

**Model KHV4800****Centrifuge Type:**

Kubco Model

KHV4800

Material of construction:

Stainless Steel

Bowl diameter:

14"

Bowl Length:

48"

Conveyor type:

E-Z FLOW DESIGN WITH

AXIAL FLOW BLADES

Conveyor wear protection:

Tungsten carbide segments

Conveyor lead and pitch:

Single 4.25"

Gear unit type:

3.5 (Planetary)

Gear unit ratio:

57-1RATIO

Torque out style:

GS COUPLING

Bowl sheave diameter:

5G3V5.750

Pool depth setting:

4 Adjustable 360 degree

dams

Main Drive Motor:

50 HP

Oilfield skid:

118" x 76" x 43"

Controls:

Variable Frequency Drive

Explosion Proof Magnetic

starters (Optional)

Maximum Speed:

4000 RPM

Maximum G-Force:

3180

**Model NX414****Centrifuge Type:**

Kubco Model

NX414

Material of construction:

Stainless Steel

Bowl diameter:

14"

Bowl Length:

34-1/2"

Conveyor type:

Radial Flow

Conveyor wear protection:

Tungsten carbide

segments

Conveyor lead and pitch:

110 MM

Gear unit type:

3.5 (planetary)

Gear unit ratio:

57:1

Torque out style:

Manual G.S. Coupling

Bowl sheave diameter:

Split 4G3V5.6 / 4G3V7.4

Pool depth setting:

4 Adjustable 360

degree dams

Main Drive Motor:

50 HP

Back Drive Motor:

15 HP (Optional)

Maximum Speed:

4000 RPM

Maximum G-Force:

3180

**Model KHV5600****Centrifuge Type:**

Kubco Model KHV-5600

Material of construction:

Stainless Steel

Bowl diameter:

14"

Bowl Length:

56"

Conveyor type:

Axial Flow

Conveyor wear protection:

Tungsten carbide

segments

Conveyor lead and pitch:

3.0"

Gear unit type:

3.5 (planetary)

Gear unit ratio:

57:1

Torque out style:

Manual G.S. Coupling

Bowl sheave diameter:

Split 4G3V5.6

Pool depth setting:

4 Adjustable 360 degree

dams

Main Drive Motor:

50 HP

Back Drive Motor:

15 HP

Maximum Speed:

4000 RPM

Maximum G-Force:

3180

**Model KHV5800****Centrifuge Type:**

Kubco Model KHV-5800

Material of construction:

Stainless Steel

Bowl diameter:

16"

Bowl Length:

56"

Conveyor type:

WITH AXIAL FLOW BLADES

Conveyor wear protection:

Tungsten carbide

segments

Conveyor lead and pitch:

Single 6"

Gear unit type:

3.5 (planetary)

Gear unit ratio:

57:1 RATIO

Torque out style:

GS COUPLING

Bowl sheave diameter:

10G3V8.0

Pool depth setting:

5 Adjustable 360 degree

dams

Main Drive Motor:

60 HP

Oilfield skid:

125" x 85" x 45"

Controls:

VFD

Maximum Speed:

3600 RPM

Maximum G-Force:

2,944

In the Industry



The applications and the possibilities for the centrifuges are endless, from the food industry to the new generation of Bio-fuels.

Our centrifuges enables your company to maximize the use of raw materials during the process.

Petrochemicals

- Separation of polyethylene organic solvents.

- Production of plastics such as PVC and PE.

The KDS centrifuge plays a significant role in the process of obtaining petroleum products, by ensuring the transfer between different multiple stages of these products to reach the ultimate goal. Always taking into consideration that all

our equipment is looking to gain the maximum performance under harsh environments.

- KDS is currently working hand in hand with international companies worldwide producing PVC..



Beverages

The success in the production of beverages lays in the balance of flavor and texture without neglecting the most important element, the health of the process.

An important issue for producers is the manufacturing costs. Therefore the centrifuge and the separation process play an important role in

benefiting from all stages of raw material.

- Sediment Treatment.
- Water waste Treatment.
- Separation of Juice.
- Wax Removal.



Metals and minerals

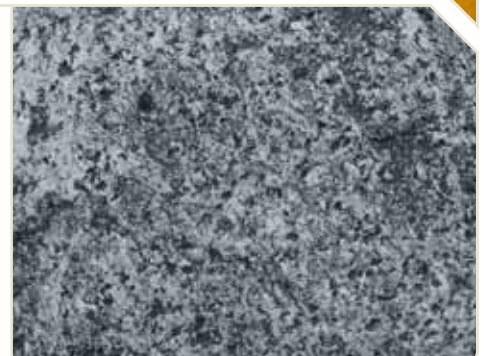
The KDS centrifuges are used in key processes of recovery in the mining industry among:

- Drying and mineral recovery.
- Procedure for cleaning drill cuttings (Recovery of Barite and Bentonite).

These processes require extensive experience to operate under unfavorable conditions, with high

wear and extremely corrosive fluids. In the recovery of minerals KDS centrifuges are designed to give accurate results even in the most complicated tasks of drying and separation.

In the recovery of Barite and Bentonite, this plays a key role in the oil extraction process to be discussed in the next section along with the other processes.



Food

- Recovery of animal based products (grease, proteins, etc.).
- Recovery of vegetable based products (oil, proteins & starch).
- Recovery of vegetable oil and grease (three phase centrifuge).
- Obtain starch from natural products.

Today the food industry requires a process more and more efficient that does not leave aside the

quality of the foods taste and texture. Quality in quantity will be the new demand by consumers in the 21st century; foods that will be low in fat, high in protein and with a low amount of additives. The industry looks for products to match the expectations of consumers and in turn be commercially viable in terms in cost and duration. That's why the KDS centrifuge provides numerous advantages to the industries trade of cattle, pigs, poultry and fish.



Biofuels

One of the most important changes in the area of energy in the 21st century has been the frequent use of ethanol as fuel for motor vehicles.

Perhaps the centrifuge is the most important part in the process of ethanol, which carries out the separation of solid material (organic). That is why KDS strives to provide top quality equipment durability specifically designed for the

transformation of biofuels.

The biofuel market is growing rapidly and one of the main benefits offered by KDS is the versatility you can have in your equipment as your production volume grows.

- Production of ethanol.
- Production of Bio-diesel.



Pulp and paper

The paper and pulp industry is regulated by extreme environmental measures due to the nature of their industry and the quantities of water needed for processing. That is why the centrifuges are of vital importance since they make a more productive and efficient process.

These are some processes the centrifuges participate in:

- Reduce water consumption.
- Water waste Treatment.
- Transformation of the raw material.
- Reduce chemical use in the process.



Water waste treatment

One of the main objectives of KDS is to make their industry more productive and at the same time care for our environment. That is why *"one drop at a time"* KDS seeks that the environment and productivity go hand in hand.

If your company is involved with the sewage treatment, know that the centrifuges are involved in a very important part of the process since it

understands the serious consequences that can occur by not performing the process correctly.

The centrifuge will be present in any process involving the clarification of the vital liquid for reuse or its transformation into a resource that is environmentally friendly.



Oil

The centrifuges in this section are used to create more efficient extraction processes and reprocess elements that may cause long-term environmental damages.

- Separation of sludge containing oil from oil wells or reserve pits.
- Reprocessing and recovering Barite and Bentonite which takes place in the drilling of a well.

The drilling of an oil well generally requires a significant amount of water, whether it's from a

natural origin or product of a secondary operation. In some processes the water is mixed with oil and must be recovered to comply with the environmental regulations.

As for the recovery of barite and bentonite, this plays a key role in the drilling process, helping to contain the walls of the underground pressure and provide adequate means for the evaluation of drilling.





Remanufactured

At **Kubco** we are aware that buying new equipment is not necessarily the best option for all our clients. In some cases, purchasing a remanufactured centrifuge is the best alternative. **KDS** maintains an extensive inventory of remanufactured equipment so you don't have to delay your operation.

The effects of a refurbished or remanufactured equipment can be highly beneficial, since in some cases, your old equipment can be remanufactured not only to maintain but increase your production.



Brands and equipment we repair

Sharples	Bird
Flottweg	Humbolt
Derrick	Swaco
Alfa Laval	Westfalia
Broadbent	Hutchinson-Hayes

Services



Accurate and Objective Evaluations

Production is our language. Our technicians are trained and have experience to offer you **SOLUTIONS** that achieve the goal that your company is looking for.

- New Equipment
- Remanufactured Equipment
- 24/7 Repair and Maintenance



Professional Advice

Our team of experts recognizes that a personalized service is key to the performance of a team. Since we are 100% sure that the conditions and needs vary from client to client, we work to make equipment available that is adaptable to your process.

We provide a solution tailored to your needs and to best suit your business opportunities.



Use, Volume and Operation

In the present and future.

KDS works today on centrifuges to meet the needs of the new century. What we offer are tailor-made solutions "close to you" from budgets, designs, to its plans in the future when your company demands even more of its production line.

Our inventory of parts and maintenance service are at your disposal, with a sense of urgency to make sure your company does not stop operation.



KubcoDecanter Services USA

All **KDS** equipment is manufactured in the *United States*. **KDS** is dedicated to ensuring your needs are met and prepared to offer any assistance with quick responses.

Our strategic location in Houston Texas, allows us operational advantage to give you the best service no matter where your business is.



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