

# **cbS** Technologies Pvt. Ltd.



**Oil Filtration  
Equipments**



**Centrifugal Oil  
Cleaners (Online)**



**Waste 2 Energy  
Technologies**



**Product Development &  
Import Substitution  
Centre**



Research  Development

Government of India Recognised  
DRDO, BARC & IIT



**Portal For Retirees**



Unit-I, Greater Noida,  
Uttar Pradesh



Unit-II, Kashipur,  
Uttarakhand



CbS-ITI, Kashipur,  
Uttarakhand



Osho Vasudha,  
Yoga & Meditation Cottage,  
Naukuchaital, Uttarakhand

[www.cbseenergy.com](http://www.cbseenergy.com)





# The CBS Group

## A Brief Introduction

Cbs is a diversified group having interests in engineering , Pre fabricated structures ,Waste 2 energy technologies and developing many items under MAKE IN INDIA.

Companies under cbs group are:

1. cbs Technologies Pvt. Ltd. (Unit -1) - at Gr. Noida, manufacturing a wide range of engine components, filtration machines, Centrifuges etc.
2. cbs Technologies Pvt. Ltd. (Unit-2) - Kashipur - Uttrakhand. Manufacture all types of Bio Toilet/Bio Digester and Waste 2 energy products.
3. cbs Technologies Pvt. Ltd. (Unit 3) - Gr. Noida - Manufactures all types of FRP Cabins, Tanks.
4. TALENT58.COM- A Web Portal for retired persons with excellent job opportunities.
5. Osho Vasudha – A Yoga & Meditation center at Naukuchiatal, Distt. Nainital, Uttrakhand.
6. SU-RAJ FOUNDATION - An NGO committed for development of smart villages.
7. cbs ITI - At Kashipur, Uttrakhand established to educate youth under skill development mission of India.

### Highlights of cbs

1. ISO 9001:2015 certified.
2. cbs is a recognized research and development house by **Ministry of Science and Technology, Govt. of India.**
3. Technology transfer agreement with **Defence Research Development organization (DRDO) and Bhabha Atomic Research Centre (BARC) and Fenix Renewal LLC,USA.**
4. Regular R&D support from **“Indian Institute of Technology – Delhi”** and DRDO (Defense Research and Development organization) ministry of Defense.
5. Approved by DGQA (Ministry of Defence), GeM, RDSO – Railways DSIR – Ministry of Science and Technology ,MES, CPWD, NTPC, Steel Mills, BHEL, HAL and Pvt. Multinational organizations like HONDA, LG, and TIMEX etc.
6. Modern Wi-Fi enabled factories and ITI.
7. Country wide strong service team for after sales service.
8. Products are also available in GeM under Govt of India.
9. Products of cbs are regularly exported to many countries.
10. cbs team of engineers have developed many products under import substitution programme for Indian Railway and Indian army.

# OIL FILTRATION (DIVISION)

## Transformer Oil Filtration Machine (Offline)

### PORTABLE TRANSFORMER OIL CENTRIFUGING MACHINE (POCS)



#### Features:

- Flow rate up to 500 - 5000 LPH.
- Sludge holding capacity 0.5-10 Kg.
- Sludge holding capacity 0.5- 10 kgs.
- Purifies up to sub-micron level.
- Moisture removal centrifuges - No consumables.
- Solid removal centrifuge - No consumables.
- Magnetic Strainer.
- Degassing Chamber.
- Heaters.
- Control Panel.

**Available Models:** 1. TOCP-005-S 3. TOCP-020-S  
2. TOCP-010-S 4. TOCP-050-S

### TRANSFORMER OIL FILTRATION SYSTEM SINGLE STAGE (TOCS)



#### Features:

- Flow rate up to 600- 6000 LPH.
- Trolley Mounted/Skid Mounted (as per the requirement).
- Purifies up to sub micron level.
- Coarse filter.
- Fine Filter.
- Magnetic Strainer.
- Degassing Chamber (single stage Degasification).
- Heaters.
- Control Panel.

**Available Models:** 1. TOFT-006-S 3. TOFT-024-S  
2. TOFT-012-S 4. TOFT-060-S

### TRANSFORMER OIL FILTRATION SYSTEM DOUBLE STAGE



#### Features:

- Flow rate up to 1000- 12000 LPH.
- Trolley Mounted/Skid Mounted (as per the requirement).
- Weather proof.
- Purifies up to sub micron level.
- Coarse filter (Consumable).
- Fine Filter (Consumable).
- Magnetic Strainer (Washable).
- Ionic reaction Column (Consumable).
- Vacuum system with roots booster (for ultra high vacuum).
- Degassing Chamber (Double stage Degasification).
- Heaters.
- Control Panel.
- Online moisture PPM sensor.
- Mounted BDV test kit.
- Online flow meter.
- Transformer evacuation system can be provided (if required).

**Available Models:** 1. TOFT-010-D 5. TOFT-080-D  
2. TOFT-020-D 6. TOFT-100-D  
3. TOFT-030-D 7. TOFT-120-D  
4. TOFT-060-D

# Transformer Oil Reclamation Machine (Offline)

## Features:

- Available in different capacities: 1000 - 12000 LPH.
- Trolley/ Vehicle mounted (as per the requirement).
- Weather proof.
- Purifies up to sub micron level.
- Coarse filter (Consumable).
- Fine Filter (Consumable).
- Magnetic Strainer (Washable).
- Ionic reaction Column (Consumable).
- Vacuum system with roots booster (for ultra high vacuum).
- Degassing Chamber (Double stage Degasification).
- Heaters.
- Control Panel.
- Online moisture PPM sensor.
- Mounted BDV test kit.
- Online flow meter.
- Transformer evacuation system can be provided (if required).
- Reclamation Bags.

**Available Models:** 1. TORT-010-D 5. TORT-080-D  
2. TORT-020-D 6. TORT-100-D  
3. TORT-030-D 7. TORT-120-D  
4. TORT-060-D



# Transformer Oil Filtration Machine (Online)

## Features :

- The system is permanently installed with a transformer continuously keeps on removing the moisture while transformer is in charged stage.
- During the filtration process moisture PPM level is continuously monitored.
- This process does not only remove moisture from transformer oil but from the insulation as well.
- The transformer oil is circulated through a series of cylinders filled with specially designed cartridges that absorbs moisture as well as removes solid contaminations from the oil.
- It will keep on maintaining PPM level which is required for long life and good health of transformers.

**Available Model:** 1. TODP-000-O 4. TODP-010-O  
2. TODP-003-O 5. TODP-020-O  
3. TODP-006-O



*We provide the best in class  
products and services*

# Hydraulic/Compressor Oil Filtration Machines

## FOR SOLID REMOVAL (Mono)

### Features:

- Filtration system is capable of removing the solid contamination.
- System can achieved desired NAS level.
- Is a portable system.
- Offers continious Filtration.
- Available in different flow capacities 500 - 5000 LPH.



Available Models: 1. HAFP-005-S 3. HAFP-020-S  
2. HAFP-010-S 4. HAFP-050-S

Zero Defect, Zero Effect  
Product's Company

## FOR SOLID & MOISTURE REMOVAL (Dual)

### Features:

- Filtration system is capable of removing the solid as well as moisture contamination.
- System can achieve desired NAS level.
- Based on filter cartridge and vacuum dehydration.
- Is a portable machine.
- Offers continuous Filtration.
- Available in Different flow capacities 500 - 5000 LPH.



Available Models: 1. HAFP-005-D 3. HAFP-020-D  
2. HAFP-010-D 4. HAFP-050-D



Moisture and Sludge coming out after  
Filtration

# TURBINE OIL CENTRIFUGAL FILTRATION MACHINE



## Features:

- Flow rate up to 1000-5000 LPH.
- Portable (on castor wheels).
- Sludge holding capacity varies from 1- 10 kgs.
- Purifies up to sub micron level.
- Moisture removal centrifuges- No consumables.
- Solid removal centrifuge- No consumables.
- Magnetic Strainer.
- Degassing Chamber.
- Heaters.
- Control Panel.

**Available Models:** 1. UOCP-010-S 3. UOCP-050-S  
2. UOCP-020-S

# OIL PURIFIER CUM DEHYDRATION PLANT



## Features:

- Flow rate up to 1000-6000 LPH.
- Trolley mounted.
- Can remove free water as well as dissolved moisture upto required level.
- Purifier centrifuge + ultra high vacuum dehydration system.
- Solid contamination removal upto sub micron level.

Free-water removal separator

**Available Models:** 1. UOPP-010-D 3. UOPP-020-D  
2. UOPP-040-D 4. UOPP-060-D

# DIESEL FILTRATION MACHINE



Diesel Filtration Machine is fully automatic portable fuel cleaning and filtration system based on centrifuge technology. It has 100% consumables free solid removal centrifuge.

## Features :

- Available in different capacities: 1000 to 5000 LPH.
- Weather proof (if required).
- Flame proof (if required).
- High sludge holding capacity.
- Very compact in size.
- Purify micron size impurities.
- Very fast cleaning.
- Able to remove solid & moisture. contaminates from fuel.
- Fully automatic operation.

**Available Models:** 1. DOFP-010-D  
2. DOFP-020-D  
3. DOFP-050-D

# COOLANT/CUTTING FLUID FILTRATION MACHINE



## Features:

- Coolant/Cutting Oil processing rate varies from: 1000-5000 LPH.
- Portable.
- It helps to remove chips up to 200 micron from the tank.
- Chips and fine dust removal is in 2 stages.
- Collect dry chips also from the machine and shop floor.
- Can be used as a vacuum cleaner on shop floor.
- Increase the speed , efficiency & safety of machine tools.
- High vacuum capacity.
- Coolant/Cutting Oil can get cleaned and does not require changing.
- User Friendly.

**Available Models:** 1. COPF-010-D 4. NOCP-020-P  
2. COPF-020-D 5. NOCP-050-P  
3. NOCP-010-P

# QUENCHING OIL CENTRIFUGAL FILTRATION MACHINE



## Features:

- Flow rate from 1000 - 10000 LPH.
- 100% consumable free.
- High sludge holding capacity (upto 60 Kg).
- Better quality surface finish of the part (no blackening effect or cracking).
- Reduced post quenching treatment of parts.
- No loss of production due to manual cleaning of quench oil tanks.
- No distortion of parts after heat treatment.
- Continuous centrifuging of quenching oil ensures quality of quenching oil same as new and reduces disposal cost.
- Eliminates smoking.

**Available Models:** 1. QOCP-010-G 4. QOCP-010-P  
2. QOCP-020-G 5. QOCP-020-P  
3. QOCP-100-G

# WIRE DRAWING OIL CENTRIFUGAL FILTRATION MACHINE



Benefits are guaranteed with the use of 100% maintenance expense free wire drawing oil cleaning centrifuge system

- Flow rate up to 2000 LPH.
- Reduces the friction between wire and die as well as heat removal at the die ensuring the die life enhancement to more than double.
- Ensures the maximum speed of the wire drawing machine.
- Reduces the consumption of lubricant oil. Lubricant quality is maintained through out the use of the oil by removing the material every day.
- Metallic oxide present in the lubricant may cause scratching, die wear and wire breaks This situation is totally avoided.
- Repeat pump and motor failures are eliminated.
- Recovers the material up to 1% from the oil which other wise gets lost with the oil resulting in the saving of many lakhs every month.
- Reduces the electricity consumption.
- Cost of the machine is recovered in 2-3 months time.

**Available Models:** 1. WOCP-010-G 3. WOCP-010-P  
2. WOCP-020-G 4. WOCP-020-P

## LUBE/GEAR OIL CENTRIFUGAL FILTRATION MACHINE



Lube /Gear oil filtration is very essential for removal of particulate contaminants and thereby obtaining better efficiency of the gears and to avoid wear and tear and failure of all moving parts.

### Features:

- Available in process capacity from 500-5000 LPH.
- 100% consumable free.
- Zero wastage of Oil.
- Sludge comes out in dry cake form (easy to dispose).
- Easy to operate (any unskilled person can operate).
- Compact in size (1 person can take it anywhere).
- Fast Filtration Process.

**Available Models: 1. LOCP-010-P 3. LOCP-050-P  
2. LOCP-020-P**

## GRINDING/HONING OIL CENTRIFUGAL FILTRATION MACHINE



Gear oil filtration is very essential for removal of particulate contaminants and thereby obtaining better efficiency of the equipment and to avoid wear and tear and failure of all moving parts.

### Features:

- Available in process capacity from 500-5000 LPH.
- 100% consumable free.
- Zero wastage of Oil.
- Sludge comes out in dry cake form (easy to dispose).
- Easy to operate (any unskilled person can operate).
- Compact in size (1 person can take it anywhere).
- Fast Filtration Process.

**Available Models: 1. GOFP-010-S 3. GOFP-050-S  
2. GOFP-020-S**

## FURNACE OIL CENTRIFUGAL FILTRATION MACHINE



### Filter machine helps you achieve the following:

- The presence of carbon, sludge & impurities in FO / LDO is very high which results in high rate of wear & tear of the equipment on which FO is used. Cleaning of FO with the help of centrifuge systems improves the quality of FO.
- The Environment Pollution is reduced due to lesser exhaust emissions.
- Considerable saving on the cost of the maintenance of the generation, boiler, furnaces, and burners is achieved.
- Lesser breakdowns, which saves the production loss.

### Features:

- Available in different capacities:- 1000 to 5000 LPH.
- Weather proof.
- Flame proof.
- High sludge holding capacity.
- Very compact in size.
- Purify micron size impurities.
- Very fast cleaning.
- Able to remove solid & moisture.
- Contaminates from fuel.
- Fully automatic operation.

**Available Models: 1. FOFP-010-P  
2. FOFP-020-P**



# ONLINE CENTRIFUGAL OIL CLEANERS



## Models available on different processing capacity:

1. EL-1 Max. Processing Capacity 100 LPH.
2. EL-2 Max. Processing Capacity 250 LPH.
3. EL-3 Max. Processing Capacity 1000 LPH.
4. EL-5 Max. Processing Capacity 4500 LPH.
5. EL-6 Max. Processing Capacity 1200 LPH.
6. EL-7 Max. Processing Capacity 1300 LPH.
7. EL-12 Max. Processing Capacity 3000 LPH.

Centrifugal oil cleaner is a mechanical device, which purifies oil by centrifugal force action, many times more effectively than any other filtration method so far known in the world.

Centrifugal Oil Cleaner is necessary for the mating surface of machine elements in relative motion which are separated by a very thin oil film formation at contact. The film thickness generally happens to be of the order of microns. If lubricating oil incorporates dirt in the form of contaminants, debris, etc., it will destroy the protecting layer of lubricating film over the mating surfaces of machine parts. Which will further multiply component wear and premature failure of the system. The big advantage of the centrifuge is its ability to remove very fine particles of the one-tenth of a micron by centrifugal action.

## Centrifuge oil cleaning remove solid contamination ELIMINATOR

1. Remove paper filters permanently.
2. Extends oil life.
3. Minimizes wear and tear of engine.
4. Increases engine life.
5. Reduces down time.
6. Minimize maintenance cost.
7. Increase contaminant holding capacity.
8. No consumable cost.

# CENTRIFUGAL OIL WATER SEPARATORS (COWS)

COWS-(Eliminator-D) is a water separator and fuel filter for HSD/LDO/ Hydraulic oil, transformer oil etc. An entirely new multistage centrifugal system ensures a 100% solution to the problem of water/moisture and particulate in fuel.



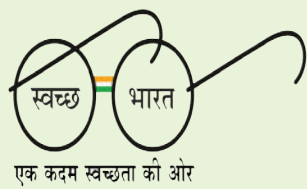
## Features:

1. Compact design
2. High efficiency
3. Low flow restriction
4. Long life of filter elements
5. Easy installation.
6. Simple maintenance
7. Very high efficiency of water separation from fuel. Complete protection of injection pump, nozzles from water, dust, etc.

## Application of COWS (ELIMINATOR-D):

1. Automotive industry – trucks, buses, mobile cranes, dozers, dumpers, excavators etc.
2. Construction equipment, compressor sets, agricultural equipment, fork lift trucks etc.
3. Marine propulsion Stationary engines – generators, welding and pumping installations etc.
4. Mining applications, railway locomotives.
5. Special custom made versions for certain applications available.
6. Trolley mounted systems for removing moisture and dust at the time of unloading of fuel and filling at petrol pumps available.

**Available Models:** 1. COWS: ELD-2  
2. COWS: ELD-3  
3. COWS: ELD-4



# WASTE 2 ENERGY (DIVISION)

## BIO-TOILETS

In Technical association with "Defence Research & Development Organization" (DRDO) Ministry of Defence-Govt. of India



### MOBILE BIO-TOILETS

#### Highly Distinctive Advantages:

- Disposes Human Waste in a 100% eco-friendly manner.
- Generates colorless, odorless, inflammable bio gas (methane) for cooking, water & room heating etc.
- 100% solid discharge free.

#### Salient Features:

- Mounted on wheels and can be dragged to any place for use.
- Exclusively suitable for sub zero temperature of Himalayan Region, Railway Coaches, Highways, Remote areas, Sea ports, Beaches, Mining, Metro cities etc.
- Easy to transport and install in Hilly Terrains, Railway Coaches, Metro Footpaths.
- 100% maintenance free, continuous biological process.
- Elimination of pathogens.
- Economically viable.
- No dependence on the limited and costly conventional energy sources.
- No manual handling of Human Waste.
- No repeat dosing of Bacteria.



2 Seater Mobile Bio-Toilet



4 Seater Mobile Bio-Toilet



10 Seater Mobile Bio-Toilet

#### Saves/Conserves:

Water, Energy, Space, Environment, Money, Time, Promotes Hygiene and Ensures Good Health.

#### Models available:

- **Trailer mounted Mobile Toilet Cluster:**  
Cluster of Toilet Cabins (from 4-14 cabins) as per the requirement of customer is mounted on Tractor trailer/Jeep trailer/truck.  
The trailer can be taken to the place where ever required.
- **Independently mounted Bio-Toilet for moving vehicles:**  
For Railway Coaches, for Buses, for Ships and Boats.



16 Seater Mobile Bio-Toilet



### FRP/PUF BIO-TOILETS CABINS

#### Highly Distinctive Advantages of FRP cabin:



- The Made up of good quality Fiber Reinforced Plastic.
- The Easy to install.
- The Readmade option available in Single Pan.



#### Highly Distinctive Advantages of PUF insulated cabin:

- The walls of Bio-Toilets are insulated with Polyurethane Foam.
- Suitable for Hilly and cold Regions.
- Easy to install.
- Readymade option available in 4 Pan, 2 Pan and Single Pan.

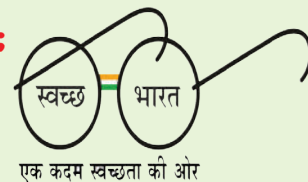


#### Saves / Conserves:

Water, Energy, Space, Environment, Time, Promotes Hygiene and Ensures Good Health.



**Cleanliness and order are not matters of instinct; they are matters of education and you must cultivate a taste for them.**



## BIO-DIGESTER TANK

CbS with support of technology, developed and approved by DRDO Ministry of Defence has offered an innovative technology for disposal of human waste in an eco-friendly manner.

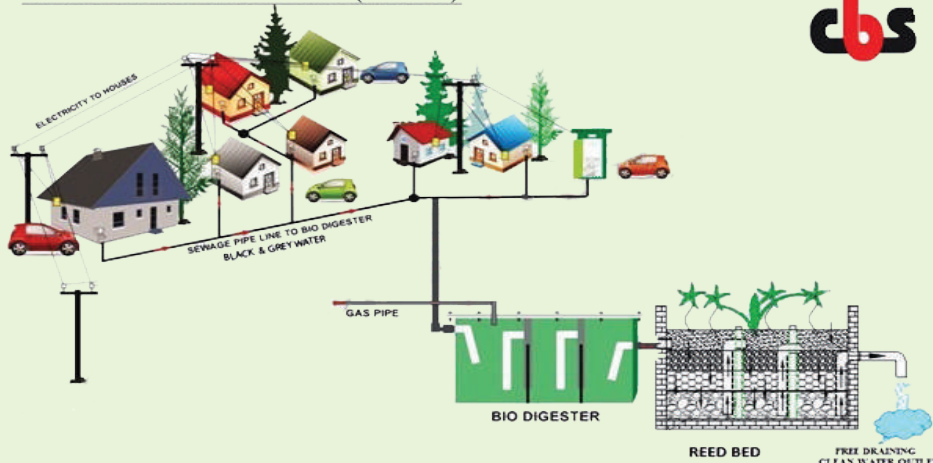
- Bio-Digester tank can function at any atmospheric temperature between  $-40$  to  $45^{\circ}\text{C}$ .
- The bacterial consortium degrades night soil at temp as low as  $-40^{\circ}\text{C}$  and produces colorless, odorless, inflammable biogas containing 50-70% methane.
- Bio-digester can be designed of mild steel and Fiber Reinforced Plastic (FRP). Bio-toilets are cylindrical structure with the provision of inlet for human waste and outlet for Biogas. Temp in these bio-toilets is maintained between  $5-30^{\circ}\text{C}$ .
- A person can use the toilet which is connected to the bio-digester. Night soil degradation occurs through microbial reaction which converts it into biogas.
- The smell of night soil, the disease causing organism in the night soil and the soil matter are almost eliminated. On dry weight basis 90% of the solid waste is reduced.
- The gaseous effluent (biogas) is continuously left off to the atmosphere.
- Biogas can be used for various energy incentive activities like cooking, water and room heating.
- Liquid effluent can be drained to any surface or soak pit without any environmental hazards.

## BIO-SEWAGE TREATMENT PLANT (BIO-STP)

### Technology behind Bio-STPs & Features:

- This technology is suitable for any area and application in India.
- The process under this technology culminates into treated effluent which is free from Pathogens and is also environmentally acceptable.
- No operational cost & maintenance charges.
- The technology has major three components:
  - A. Low temp active inoculums/AMI,
  - B. Bio-Digesters,
  - C. Reed-Bed.

### SEWAGE TREATMENT PLANT (BIO-STP)



NOTE :  
 BLACK WATER – SEWAGE WATER FROM COMMUNITY / INDIVIDUAL TOILETS.  
 GREY WATER – WASTE WATER FROM MULTIPLEXES / HOUSING COLONIES / INDIVIDUAL HAUSES

**A concept by cbs & DRDO**

### Saves and Conserves:

Water, Energy, Space, Environment reed Bed & Promotes Hygiene.

### Comparison Between Normal STP and Bio-STP

Particulars	Normal STP	Bio-STP
Design	Design is complex.	Very Simple Design & easy to work based on DRDO, Bio-digester Technology.
Installation Cost	Very High.	Far less.
Maintenance Cost	Maintenance required. Additional Running cost incurred in the form of man power & Electricity.	Maintenance not required. It recovers its cost within 10 years.
Space required	Larger space requirement. Above the Ground Construction.	Very small space needed due to Under-ground
Hygiene	Hygienic.	More Hygienic than normal STPs.
Diseases	Water-borne diseases spread by the effluent sewage.	All pathogens are eliminated inside the Bio-digester Tank.
Suitability	Suitable for most terrain.	Suitable for all.
By-products generated	Lesser Biogas in comparison to Bio-STPs.	Relative large amount of Biogas & potable water. Bio Gas can be used in CNG Genera-
Power/Electricity	Required Electricity.	No Electricity Required (Save Lots of Money).



# BIO-GAS REACTOR

## COMMUNITY SIZE BIO-GAS REACTOR

In Technical Association with Bhabha Atomic Research Centre (BARC), Mumbai



Actual Site Photo at Mumbai

### Features:

- Converts Kitchen cooked/uncooked (biodegradable) and all types of Biomass into:
  1. **Bio-gas** - 70-80% methane and only 20-30% carbon dioxide.
  2. **High nutrient value of manure.**
- The methane released can be used for the cooking or power generation.
- Suitable for all types of kitchen cooked/ uncooked veg/non-veg and organic waste.
- Economic and eco-friendly way to process biodegradable waste.
- **Useful for:** Municipal Corporations, Hospitals, Hotels, Housing Societies, Corporate Canteens, Govt. Establishments, etc.

### Benefits to you:

- **Biogas:** Can be used for cooking or power generation.
- **Water:** Can be used for irrigation purposes.
- **High Nutrient Manure.**
- The cost of the Biogas Reactor will be recovered within the duration of 3 years.

## DOMESTIC SIZE BIO-GAS REACTOR



*Turn waste of your kitchen into fuel for your kitchen*

### Features:

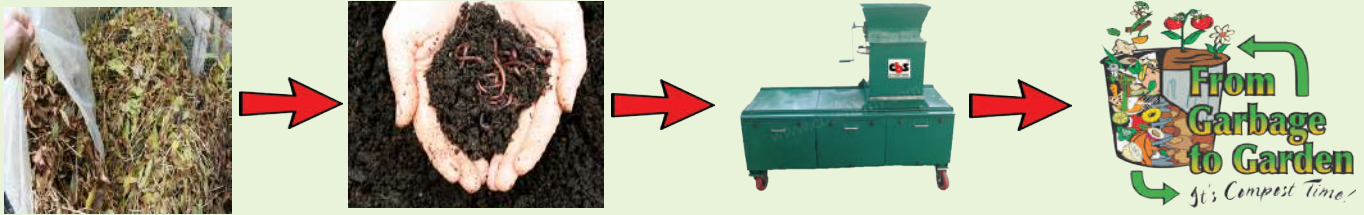
1. Alternative fuel for cooking gas.
2. Hygienic - no odor, no flies and insects.
3. Easy to install and handle.
4. Completely safe.
5. Small in size.
6. Outlet slurry is a organic fertilizer.
7. Suitable for all types of kitchen cooked/ uncooked, veg/non-veg and organic waste.
8. Biogas obtained: 70-80% methane.
9. 250 to 600 litre of methane rich biogas daily from 1-3 Kg wastes.
10. Bio Gas can be conveniently stored in biogas balloons, waste tubes or in the digester itself.
11. Bones can also be processed.
12. The digested discharge is free from acidic fowl smell.



एक कदम स्वच्छता की ओर

# VERMI COMPOST-VERMI REACTOR

Developed in technical support with Defence Research & Development Organization (DRDO)



**Vermi-composting:** The process by which worms are used to convert organic materials (usually wastes) into a humus-like material known as vermi compost. The goal is to process the material as quickly and efficiently as possible.

Cost Effective practice of creating homemade high nutrient rich fertilizer from organic waste

**Vermi Reactor:** These are biological reactors where earthworm activities take place.

## BENEFITS OF VERMICOMPOSTING

- **SOIL BENEFITS:** Increase Water Holding Capacity of Soil, Reduce Soil Erosion, Enhance Soil Productivity, Induces Resistant to Pest and disease attack.
- **PLANT BENEFITS:**
  - Crops with better taste, quality without toxic residues.
  - Better plant roots growth, germination and crop yield.
- **ENVIRONMENTAL & ECONOMIC BENEFITS:** Best & Economic practice to convert the garden/any kind of organic waste into high nutrient manure.



## STAND-UP INDIA

We at the cbs Group welcome PM Modi's Make in India programme. It's an opportunity to make India truly and globally competitive.

## SOLAR DEHYDRATOR

For Fruits & Vegetables



### Fruits & vegetables Wastage Big Challenge

1. In many parts of the world, large quantity of fruits & Vegetables is waste every year as locals do not have appliances and space to store or preserve them for the rest of the year.
2. Much is wasted on trees or gardens. Tonnes is wasted because they do not look good enough to be sold, or not sold by supermarkets.
3. In such conditions farmers are bound to sell the products at low rates.

### Advantages:

- It improves the bargaining position of farmers. Sometimes farmers sell at very low prices during the harvest season because they cannot store or preserve their surplus products.
- Dried products improve family nutrition because fruits and vegetables contain high quantities of vitamins, minerals and fiber.
- By use of this dehydrator, the drying process is made 5 times faster than normal sun drying procedure resulting in substantial weight reduction.
- 100 Kg of grapes can be converted to 25 Kg of raisin.
- It has no adverse effect to environment.
- For diabetics dried fruit prepared without adding sugar is a healthy choice instead of desserts.

## STEAM TRAPPER

A steam trap is a device used to discharge condensate and non condensable gases with a negligible consumption or loss of live steam.

### Why steam trapper?

For any steam system to operate properly the condensate, air and other non-condensable gases such as carbon dioxide from the steam must be removed.

- Can be used for high-pressure steam applications.
- Continuous discharge.
- Easy to install.
- No moving parts.
- Easy to maintain.
- Low initial cost.
- Low operating cost.
- Consumable free for many years.
- Resistant to freeze damage.
- Life-long maintenance free.
- Can be mounted in several positions.
- Compact size.
- Resistant to damage by water hammer and thermal shock.



## DUAL PUMP-YAMA

Developed by cbs R&D team

*High performance energy saving positive displacement pump*

### DISTINCTIVE ADVANTAGES OF DUALPUMP

- Can handle two liquids at one time.
- Saves cost, energy and electricity.
- Only one motor required to handle two liquids.
- High flow rate.
- Saves space.



### SALIENT FEATURES

- Compact in size.
- Driven by one shaft.
- High efficiency.
- Low cost.
- Low noise and vibrations.
- Considerable saving in power.
- Built in pressure relief valve.
- Flow rate available from 15 LPM to 100 LPM.

## OIL FILTRATION SERVICE

### TOTAL OIL MANAGEMENT (TOM)

In Association with Leading Oil Companies



TOM means Total Peace

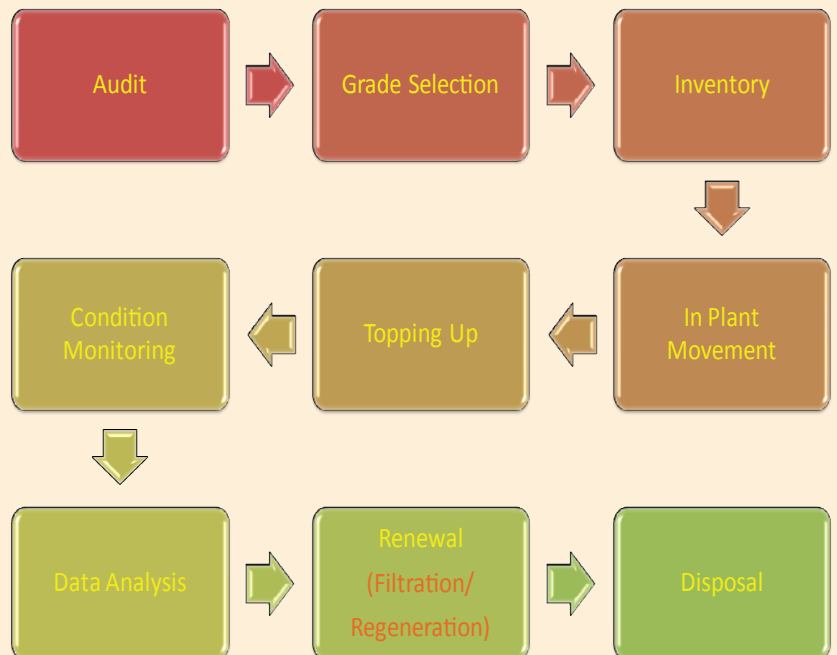
**Total Oil Management (TOM)** is a service where we deploy our trained personnel to manage your onsite oil related activities. We take a reliability focused approach and aim at establishing world class lubrication practices at your facility.

We maintain your oil management processes, leaving you to focus on more important aspects of your production.

#### Oils covered

- Transformer Oil
- Turbine Oil
- Coolant
- Hydraulic Oil
- Diesel
- Thermic Fluid
- Quenching Oil
- Grinding/Honing Oil
- Gear/Lube Oil
- Compressor Oil
- Neat Cutting Oil
- Furnace Oil

## Process



## WASTE 2 ELECTRICITY

In technology support from USA and SWITZERLAND

**CbS Technologies Pvt. Ltd.** primarily uses two patented technologies for feedstock conversion, which greatly reduces waste, eliminates toxic by products, and actually yields useable products and energy. To achieve these objectives, we use processes requiring our unique technologies which FENIX is authorized to use, i.e., Gasification & Plasma ARC.

### Hydrothermal Gasification of Sewage, Municipal Solid Waste, Biomass, Agricultural Waste and Coal

#### Our Focus:

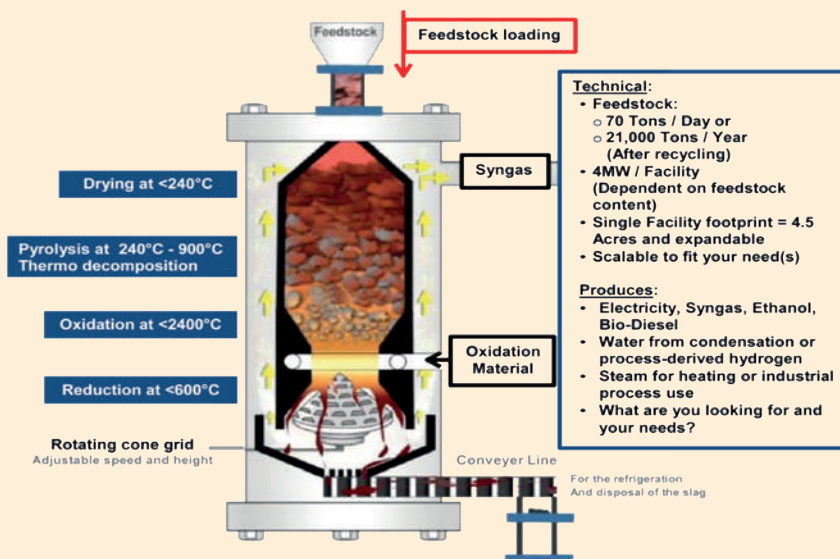
We focus primarily on the utilization of waste from productions and public usage and secondarily on the utilization of sustainable biomass.

Our priority list is as follows:

- Waste Utilization
- Biomass Utilization

#### BENEFITS

- Elimination of all kind of waste
- Generation of Employment
- Zero Environment Pollution
- Freeing of Land Occupied by Garbage Heaps



[www.talent58.com](http://www.talent58.com)  
Exclusive career portal for Retired Professionals

### The Talent Pool of India

Talent58.com is a startup found with the intention of bridging the gap between industry veterans and the industry (viz. organizations and entrepreneurs).

Our aim is to build a quality database of highly experienced industry veterans and connect them with the most coveted opportunities. The platform serves to aggregate profiles of highly experienced subject matter experts, consultants, specialist's at all that are available for new challenges in the form of full-time/part-time projects, consultancy and advisory roles.

#### IN THE MEDIA

Talent58: A Job Portal Only for Retirees and Those Looking to Retire

- By Lakshmi Sivadas - in [Indians Startups](#)

Retired professionals improving India Inc's health by returning into the job market

- By Kala Vijayraghavan, Lijee Philip & Devina Sengupta, [ET Bureau](#)

90% organisations plan to engage their retiring workforce

- By [TimesJobs.com](#)

50% of the employees in Oil & Gas due for retirement in the next 5 to 7 years

- By Kanchana Dwarakanath, [TimesJobs.com Bureau](#)

Firms tap retired professionals; competition experts in demand

- By [Press Trust of India](#)



## Our Other Establishments

[www.su-rajfoundation.com](http://www.su-rajfoundation.com)

[www.cbsiti.com](http://www.cbsiti.com)

[www.oshovasudha.com](http://www.oshovasudha.com)

# Product Gallery



UNIT-I  
 H-5/6, SITE-V, UPSIDC INDUSTRIAL AREA,  
 KASNA, GREATER NOIDA, UTTAR PRADESH

UNIT-II  
 PLOT NO. 403, SHREE DEV. IND. ESTATE,  
 MAHUAKHERA GANJ, ALIGANJ ROAD,  
 KASHIPUR-244713, UTTARAKHAND

OSHO VASUDHA:  
 NAUKUCHAITAL, DIST. NAINITAL  
 (UTTRAKHAND)

[www.cbsenergy.com](http://www.cbsenergy.com)

### Corporate Address

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