Dryer

**Hollow Paddle Dryer**
Dual counter rotating shaft with unique intermeshing hollow wedge-shaped paddles produce intimate mixing, optimise heat transfer, and provide a self-cleaning feature. A large heat transfer area to volume ratio is achieved by the use of hollow paddle and jacketed vessel, at which the heating medium flows. The result is an efficient, compact machine with less space requirements and low installation cost.

For high moisture content of sludge and high dryness.

**Rotary Dryer**
With rotating inclined cylinder body. The wet materials are loaded from one end and travel spiral continuously. For certain materials additional flights baffles are added uniformly distributed across the barrel.

It is generally used for Palm Empty Fruit Bunch (EFB) and other materials for high volume of production.

**HEATING SOURCES:**
STEAM / HOT OIL / HOT AIR / WASTE FLUE GAS
**Mesh Belt Dryer**

It is continuous cross-flow equipment for large scale production of low drying rate materials. The raw material can be spread on the conveyor belt through suitable mechanism such as star distributor, vibrating belt, grinder or granulator. Each drying unit is equipped with air heating and circulation system. The hot air will move up and down when the conveyor belt passes through. Most suitable for waste flue gas as energy saving dryers.

**Conveyor Dryer**

Raw materials are placed on metal conveyor belts, sometimes in multiple layers to extend retention time so to achieve higher dryness. It works on all kind of heat source like hot air, steam/hot oil. It is very heavy duty good for wood chips, oil palm fronds, EFB, etc.

**Fluidiser Bed Dryer**

The raw material is fed into the dryer from the feeding inlet and the material will continuously moving along with the fluidiser bed level under action of vibration. The hot air passes through fluidiser bed and carries out heat exchange with damp raw materials. The wet air is exhausted out by the cyclone separator and the dried material will be discharged from the outlet.