

DUNK PRESS



DUNK Press is new technology solid liquid separation machine with its hopper type input in combination with slotted screen basket & special type of screw having more efficiency as compared to other types of machines. Any type of material from Dairy, Slaughter houses or Pulp & Paper, from which liquid needs to be separated from solids , Slurry from biogas can be dewatered.

Construction an Overview:

The Press consist of compensator and Overflow hopper. Thoroughly made in stainless steel casing having screw conveyor and slotted basket screens that conveys the solids form liquid phase flowing through the screen while the solids is pushed with the screw forward while liquid kept flushing through the horizontal moment inside the casing thanks to specially designed basket screens. The drive unit consist of motor with gearbox which is coupled through output shaft which is coupled through coupled screw.



Process- Solid liquid Separation :

Machine is based on solid liquid separation based on screw conveyor technology. Having separation of both gravity based and mechanical compaction based. Any material whether sludge from Industries, Manure, Pulp from Paper industries, Vegetables, Food processing waste, Cow dung waste, Bio digester waste, slurry having consistency with over 5 to 6 % consistency can also be fed into the machine to get up to 40+ consistency levels at output on dry basis which can be easily handled .

Features :

- Simple in operation chemical free operation.
- Durable high performance with self cleaning screw baskets.
- Customizable Slotted screens according to input material.
- Lesser maintenance with lesser power required.

Benefits :

- All in one machine having plug & Play system with no need of assembling the parts
- Best and cheapest machines in solid liquid technology with durability to manage different consistency of slurries.
- Different and customized diaphragm outlets
- Continuous operation
- No or very less Chemical Required
- Lower rpm of screw conveyor simultaneously lesser wear and tear