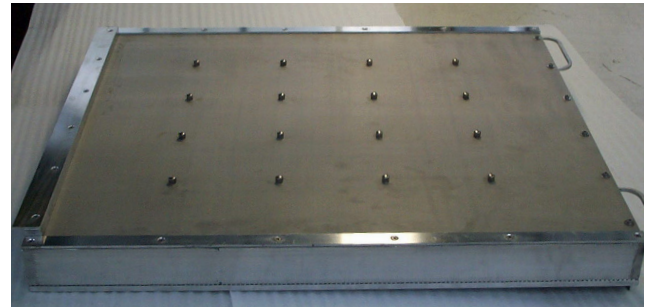


SEPARATION TABLE

SEPARATION TABLE SUET 900 x 1500 WITH DOSING UNIT



FLUID DECK FOR SEPARATION TABLE SUET 900 x 1500



FUNCTION:

Particles of different specific weight are separated on an air operated vibrating table.

The product is fed onto the separation table via dosing feeder with charging hopper. The material flow which can be continuously adjusted by the thyristor controller is evenly distributed over the whole width of machine.

The adjustable air flow (pressure side) is fed under the separating table over the screen segment.

The combined effects, the vibration of the table as well as the air flow from below, nearly eliminates the friction between the particles. The particle mass thereby behaves like a fluid. That means heavy particles sink, while light particles swim on top of the flow.

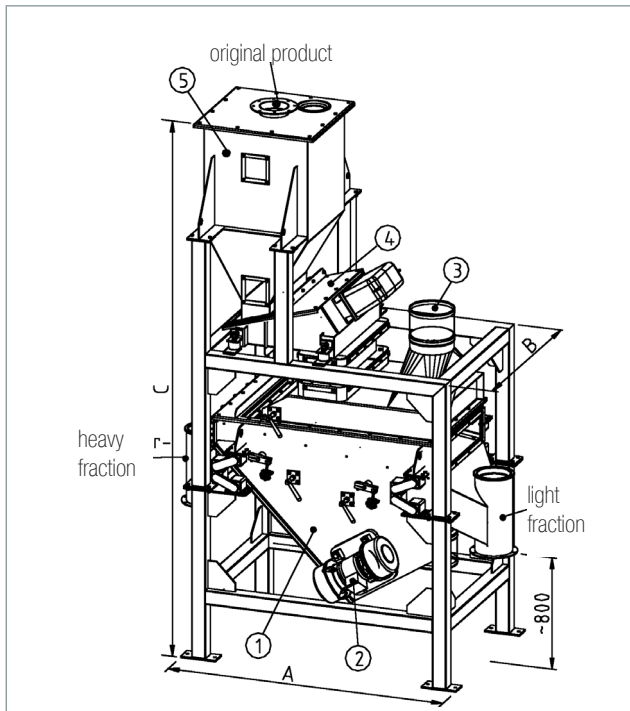
The slope of the table is arranged so that there is an incline from the light particle side to the heavy particle side. The sinking heavy particles are finally conveyed up the incline via vibrating process in direction of the upper discharge. The floating lighter particles follow the incline down to the lower discharge.

The dusty discharged air from the separation table is cleaned by a cyclone and/or filter. The air flow is generated by a suction fan.

PROPERTIES OF THE SEPARATION TABLE:

- Very precise separation effect via special working screen elements, ideal air distribution and combined cross-flow separation
- Constant operating conditions and simple handling
- Very robust construction
- Easy accessibility and cleaning possibilities
- Product respectively dust deposits under the screen are eliminated

SEPARATION TABLE WITH DOSING UNIT



PLANT CONSTRUCTION:

1. Separation table with removable working screen element
2. Vibration motors
3. Discharged air ducts with compensator
4. Feed channel with magnet drive and thyristor control
5. Charging hopper with filling-level control
6. Pressure-side radial ventilator with silencer, intake filter and pipe connection to settling table (not indicated in the picture)

ACCESSORIES:

- Discharge air station and filter
- Control system with continuously adjustable air flow rate via potentiometer, for pressure side
- Automatic air flow regulator and monitor for constant air amounts

REMARK:

- The settling table is individually adapted to suit the product mixture in question
- Tests in our technical centre are possible after consultation

TECHNICAL DATA WITHOUT DOSING UNIT (ALL VALUES ARE APPROXIMATE):

Type	A x B x C [m]	Throughput* [t/h]	inst. Power [kW]	Discharged Air [m³/h]	Weight** [kg]
SUET 500....	2,0 x 0,9 x 2,2	0,55 - 2,2	4	1000 - 2000	800
SUET 900....	2,4 x 1,3 x 2,2	1,0 - 4,0	8	2000 - 4000	1000
SUET 1200....	2,5 x 1,6 x 2,2	1,35 - 5,4	11	3000 - 6000	1300

* According to properties of mixture to be separated

** Weight without ventilator



SUET 900 x 1500



SUET 900 x 1500