

Data Sheet 132

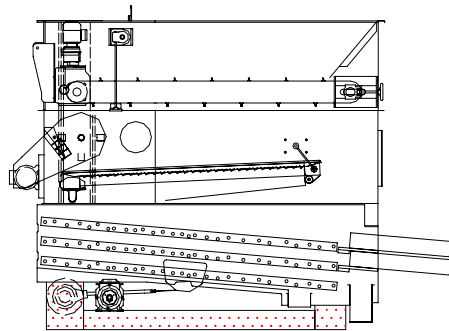
Pre Cleaner Type DELTA 132



The Cimbria's grass seed pre-cleaner type DELTA 132 is specially designed for pre-cleaning of grass seeds and similar types of seeds, which are often received with a relatively large content of waste products and are therefore difficult to clean by means of the traditional cleaning machines.

To meet special cleaning requirements type DELTA 132 is available in three different designs 132.1, 132.2 and 132.3. Each of these types provides a screen area of 9 m² arranged in 3 screen rows each with 3 single screens. The base and frame of the machines is in heavy gauge pressed steel profiles having all rotating parts well protected inside the steel frame. The screen shoe is manufactured from insect- and moisture resistant marine plywood. With food proof, Swedotec TPS surfaces film.

The inlet mounted on type 132.1 is with full width shaker feeder, 0.75 kW motor, stepless adjusted via frequency converter type integral.



The inlet mounting on types 132.2 and 132.3 is provided with belt conveyors and shutters to ensure a smooth flow in the total working width of the screens. The belt conveyor is provided with vulcanized feed ribs and mounted over two rollers with drive and tension ends and is driven by an independent 0.37 kW variable speed geared motor. The shutter is of the rack-and-pinion type controlling thickness of the layer on the conveyor may be adjusted accurately and adapted to a variety of seeds and seed qualities. The adjustment takes place via a worm regulator with hand wheel.

Spike Thresher (132.3)

The spike thresher receives the unfinished product directly from the belt conveyor and processes it by the rotations of the spike thresher rotor through the material to produce a product which is acceptable for processing by means of the shaker and the screen. The rotor and the shaker are driven by an independent 3 kW motor.

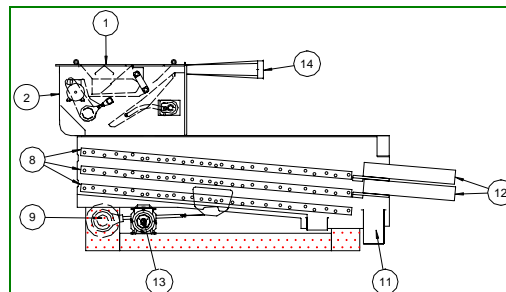
Shaker (type 132.3 only)

The purpose of the shaker is to separate seed from straw. A projectile movement is generated over an eccentric system causing the unfinished product to move upwards on the inclined concave, whereby seed and straw are separated. Seeds and other particles fall through the holes in the shaker and to the feed guides to the upper screen. Straw and other relatively long parts, "flow" all the way to the shaker concave where they fall down on the rear part of the upper screen and are discharged.

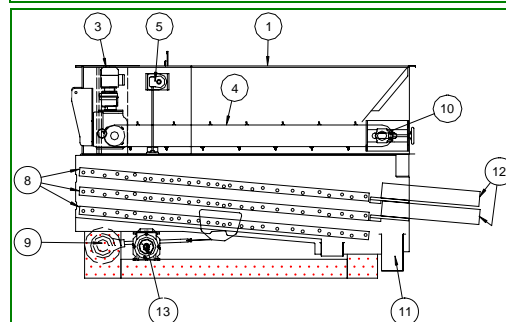
Screens

All three models of the DELTA132 provide a screen area of 9 m² arranged in 1 screen box with a total of 3 screen rows. The two upper screens are normally used for the separation of particles larger than the required cleaned seed. The third row is used as chaff sifting sieve. The screen frames are made in standard size and may therefore be used in all types of Delta screen cleaning machines. All screens may be cleaned by means of special rubber balls.

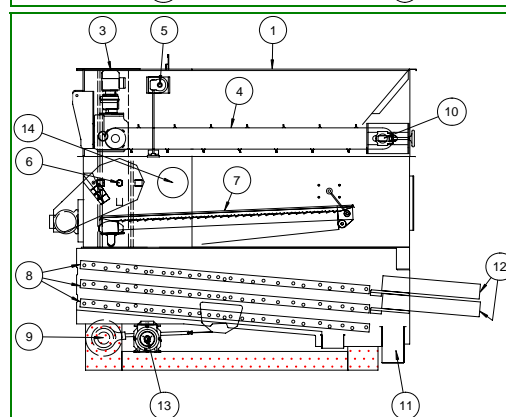
The ball boxes are designed so that it is not necessary to take out the boxes when changing the screens.



132.1



132.2



132.3

- | | |
|----------------------------------|--|
| 1. Inlet | 8. Screen shoes |
| 2. Shaker feeder (132.1) | 9. Eccentric shaft |
| 3. Variable geared motor | 10. Tension sect. for feed belt |
| 4. Band conveyor (132.2 & 132.3) | 11. Outlet finish product |
| 5. Feed shutter (132.2 & 132.3) | 12. Waste product |
| 6. Spike thresher (132.3) | 13. Motor |
| 7. Straw shaker (132.3) | 14. Connection for extern dust suction |

Technical data	132.1	132.2	132.3
Capacity Grass Seed	3.0 t/h	3.0 t/h	3.0 t/h
Dimensions			
Length	3340 mm	3340 mm	3340 mm
Width	1920 mm	1920 mm	1920 mm
Height	1745 mm	1766 mm	2500 mm
Screen area	9 m ²	9 m ²	9 m ²
Motors			
Band conveyor		0.37 kW	0.37 kW
Shaker feeder	0.75 kW		
Spike thresher and shaker			3.0 kW
Screen	2.2 kW	2.2 kW	2.2 kW
Weight	1250 kg	1500 kg	1950 kg
Dynamic loading at 4.6-4.8 Hz: P _H = +/- 1750 N P _V = +/- 1430 N 10N = 1 kg			