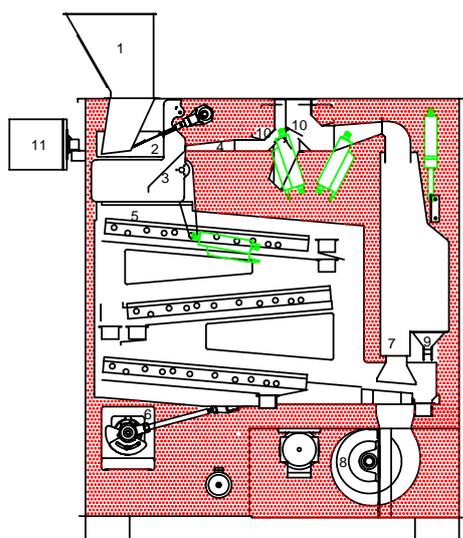


Cimbria DELTA Super 101



Cimbria DELTA Super 101 has been developed for high quality fine cleaning of malting barley, seed grain, legumes, grass and garden seeds.

The machine's efficient screen system with its accurately matched stroke and frequency is complemented by Cimbria's highly developed pre- and post-suction system. One airlifting blower at the bottom of the machine ensures unrivalled air cleaning and grading.



1. Inlet

Optimal feed over the width of the machine is achieved by a shaker feeder with stepless adjustment via frequency regulation.

2. Shaker Feeder

Ensures a uniform feeding on the entire width of the machine also when cleaning difficult flowing products, i.e. grass seed, in addition the shaker feeder also prevents the product from flowing when the shaker feeder has stopped.

3. Adjustable feed gate

The feed gate will only be adjusted when the opening needs to be bigger due to difficult flowing products, i.e. grass seed.

4. Pre-suction

With finely adjustable suction intake directly under the feed gate for effective removal of fine particles.

5. Screens

(L x B = 800 x 400 mm) can be employed as sieves, sorters or graders, and are effectively kept clean by rubber balls in newly developed ball boxes. It is not necessary to take out the ball boxes when changing screens.

6. Eccentric drive system for the screen boat

Supplied standard with fixed speed or alternative manually operated variator. In addition the length of stroke can be adjusted from 10 - 30 mm length.

7. Post-suction

Light particles are sucked out of the product flow on the air screen and lead through the airlifting channel to the expansion fan.

8. Airlifting blower

Ensures a homogenous airflow and supports the post-suction considerably. Can be delivered with hand-operated variator or frequency controlled integral motor.

This system is used to separate light grains with low germination, from the final product by blowing the light product up into the airlifting channel, and separated in the expansion chamber the husk will be lifted in to the after suction blower, and the light kernels will fall in to the middling outlet.

9. Outlet for second quality product

10. False air intakes (2 pcs.)

For adjustment of air quantity in both the pre- and post-suction systems.

11. Adjustment

Remote control of integral motor for shaker feeder, airlifting unit, pre suction, after suction and air velocity. The adjustment of the above is placed in a small control box, which is placed on the cleaner.

Capacity based on 15% H ₂ O: 8% incoming up to 2% under 2.2 mm	
Wheat, Rye, Sorghum and Malted Barley	0.25 t/h
Oats, Maize, white Rice	0.15 t/h
Soya, Peas, Rape, Green coffee	0.10 t/h
Paddy rice	0.10 t/h
Sunflower, roasted Coffee, Beet seed	0.10 t/h
Rye grass, clover	0.05 t/h
Dimensions:	
Machine height (without fan)	2085 mm
Machine length	1512 mm
Machine width	855 mm
Height, standard inlet hopper	325 mm
Screen area:	
	0.96 m ²
Round outlet pipes:	
From screens	dia. 60 mm
Motors: (standard):	
Screen	0.55 kW
Airlifting fans (integral)	0.55 kW
Shaker feeder (integral)	0.55 kW
Top fan (optional)	2.2 kW
Air volume:	
Pre- and post-suction	2000 m ³ /h
Total weight of cleaner:	
Without top fan	600 kg
Freight volume	3 m ³
Dynamic loading at 4.8 Hz: PH= +/- 1300 N PV= +/- 900 N 10N = 1 kg	

Technical data can vary for certain of the above due to continued development or a different machine composition.

This DELTA cleaner can, in a few minutes, be converted to different cleaning programmes, e.g.:

- Beans, lupin seed, maize
- Oats, wheat
- Malting barley
- Rye grass, Red fescue
- Rape, peas, lentils

Copyright © - The right to alterations is reserved