Cimbria DELTA 114 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 after suction system.

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 an 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 prevent the product from flowing when the shaker feeder has stopped.

3. Adjustable feed gate
The feed gate will only be adjusted when the opening need 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 W = 800 x 1250 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 screen boats
Supplied standard with fixed speed or alternative frequency regulation.

7. After suction
Light particles are sucked out of the product flow on the air screen and lead through the lifting air channel to the expansion chamber, from where it is extracted by screw conveyor.

8. False air intakes (2 pcs.)
For adjustment of air quantity in both the pre- and after suction systems.

9. Adjustment
Remote control of integral motor for shaker feeder, 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% H2O:
10% removal to EU Standard 90+8+2

<table>
<thead>
<tr>
<th>Product</th>
<th>Capacity (t/h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheat, Rye, Sorghum and Malting Barley</td>
<td>5.0</td>
</tr>
<tr>
<td>Oats, Maize, white Rice</td>
<td>4.0</td>
</tr>
<tr>
<td>Soya, Peas, Rape, green Coffee</td>
<td>4.0</td>
</tr>
<tr>
<td>Paddy rice</td>
<td>3.0</td>
</tr>
<tr>
<td>Sunflower, roasted Coffee</td>
<td>2.0-2.5</td>
</tr>
<tr>
<td>Rye grass, clover and Beet seed</td>
<td>0.75-1.0</td>
</tr>
</tbody>
</table>

Dimensions:
- Machine height (without ventilator): 2270 mm
- Machine length: 3068 mm
- Machine breadth: 1815 mm
- Height, standard inlet hopper: 532 mm
- Screen area: 7.0 m²

Square outlet pipes:
- (Adapter to round available)
  - a) from screens: 160 x 160 mm
  - b) from expansion chamber: 200 x 200 mm

Motors: (standard)
- Screen: 1.5 kW
- Shaker feeder with integral motor: 0.75 kW
- Top ventilator (optional): 5.5 kW

Air volume:
- Pre- and after suction: 8200 m³

Total weight of cleaner
- Without top ventilator: 1970 kg
- Freight volume: 14 m³
- Dynamic loading at 4.6 - 4.8Hz:
  - PH= +/- 123 N
  - PV= +/- 1075 N
  - 10 N = 1 kg

This DELTA machine can, in a few minutes, be converted to different cleaning programmes, e.g.:
- Beans, lupine seed, maize
- Oats, wheat
- Malting barley
- Rye grass, Red fescue
- Rape, peas, lentils

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