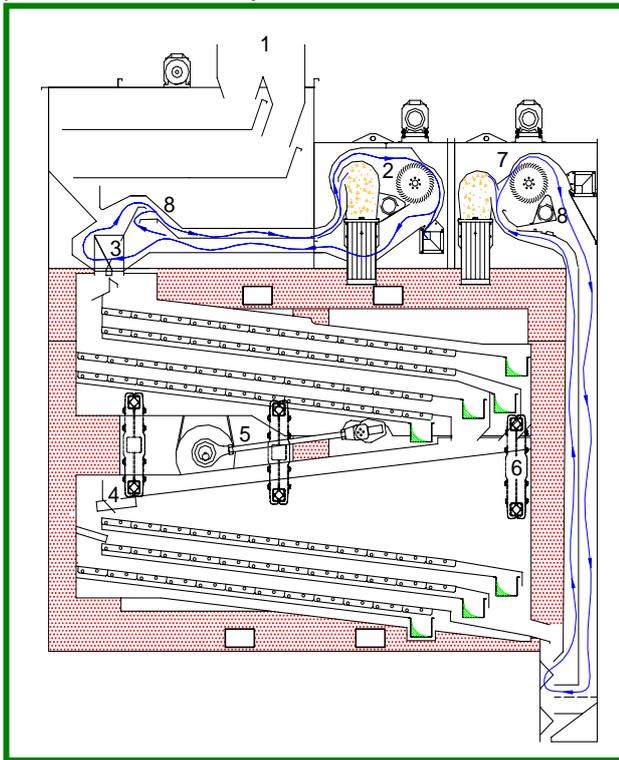


Data Sheet 162

Cimbria DELTA Malt Cleaner 162



Cimbria Mega-Cleaner type 162 has been developed for the high capacity sorting of grain, peas, rape, bread grain and malting barley. The machine's large screen area with its accurately matched stroke and frequency is complemented by Cimbria's highly efficient recirculation 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 integral motor.
2. **Pre-suction with Air Recirculation**
A finely adjustable airflow from the systems independent cross flow fan, sucks through the grain flow directly under the feed gate and removes fine particles to the screw conveyor outlet and mini cyclone. Only 1000 m³/h air is lead to the external aspiration.
3. **Distribution Aggregate (50%)**
4. **Screen**
(L x w = 1000 x 1800 mm). The cleaners screen area is more than 37.8 m², which is split up at 7 screen rows with 3 single screens in each row. Screen row 1 and 3 (10.8 m²) are used as sieves, while screen rows 2, 4, 5, 6 and 7 are used as sorters. With help of high effective rubber balls in newly developed steel ball boxes the screens are kept clean.

Row of screens are arranged in two screen boxes with return plates, and is oscillated through a central eccentric system which guarantees smooth operation.

5. **Eccentric-Drive System for Screen Boats**
Is delivered with fixed speed.
6. **Drive-Boss**
This patented suspension system for the screen box guarantees a well-balanced performance and with its oscillating screen movement results in the sharpest possible sorting.
7. **After suction with Recirculation of Air**
A close adjustable air flow from the systems independent cross flow fan sucks through the grain flow directly into the outlet for cleaned product and removes light particles to the screw conveyor outlet and mini cyclone.
Only 1000 m³/h air is lead to external aspiration.
8. **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.
The control system is prepared for Scada system.

Industrial cleaning: (with max 15% moisture content)	
Malting barley, bread grain	60 t/h
Dimensions:	
Machine height	4.310 mm
Machine length	4.660 mm
Machine width	2.950 mm
Standard height inlet hopper	820 mm
Screen area:	38 m ²
Square outlet pipes:	
Q-pipes	240 x 240 mm
Motors: (standard)	
Screen	5.5 kW
1 fan pre	4.0 kW
1 fan post	5.5 kW
Shaker feeder	2.2 kW
Air volume :	
Pre- and after suction	20.000 m ³
External suction (60 mm VG)	5.800 m ³
Total weight of the cleaner:	
Freight volume	50 m ³
Dynamic load at	4.8 Hz:
P _H = +/- 1600 N	P _V = +/- 7500 N 10N=1 kg

The technical data can vary sometimes because of redevelopment of the machine or another combination of the machine.

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