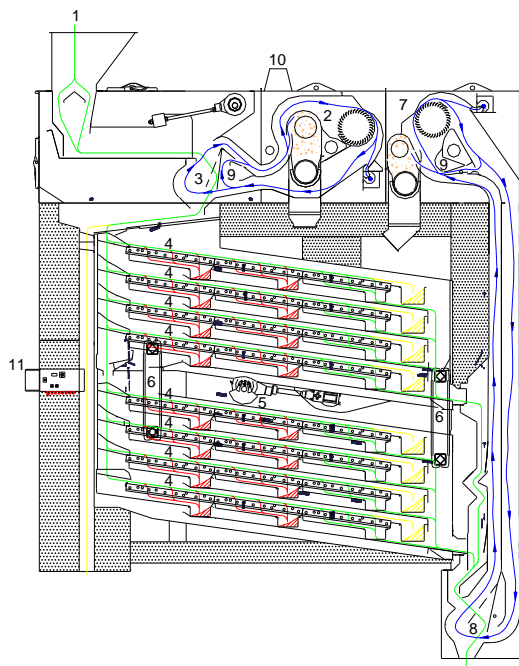


# Cimbria DELTA Combi Cleaner 157



Cimbria Combi Cleaner type 157 has been developed pre-cleaning of Grain, Peas, Maize and rape seed, and Industrial cleaning of grain for milling or 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 feeding in the full width of the machine is achieved by a shaker feeder with step-less speed adjustment.
- 2. Pre Suction with Air Recirculation**  
A precise adjustable airflow from the systems full width impellor, removes dust and fines from the incoming product and discharge it in the screw conveyor outlet and mini cyclone. 800 m<sup>3</sup>/h of air has to go to the central aspiration system.
- 3. Pre suction Air Velocity** can be adjusted to the specific product
- 4. Main Distributor** can divide the product flow in 50% to each of the two screen shoes, or send the entire product in the upper or the lower screen shoe.
- 5. Screens**  
(L x W = 800 x 1250 mm) can all be used as sifting or scalping screens. There is one outlet per Screen and that allows the most efficient flow diagram to be chosen.
- 6. Eccentric Drive System for Screen Shoes**  
Is delivered with fixed speed.
- 7. Drive-Boss** suspension system for the screen shoes guarantees a well-balanced performance and with its oscillating screen movement results in the sharpest possible separation.

**8. After Suction with Air Recirculation**

A precise adjustable airflow from the systems full width impellor, removes light particles from the product flow before it leaves the machine. The lights are lifted to the screw conveyor outlet and mini cyclone. 800 m<sup>3</sup>/h of air has to go to the central aspiration system.

**9. After suction Air Velocity** can be adjusted to the specific product.

**10. Adjustment** of the machines airflow and distributor system.

**11. Central Aspiration connection** for negative pressure inside the machine: 2.000 m<sup>3</sup>/h.

**12. Control Panel**

Remote control of integral motor for shaker feeder, distributor, pre suction, after suction and air velocity. The control panel is prepared for connection to PLC and Scada system.

**13. Outlet Clean product**

<b>Pre cleaning capacity:</b> (max. 20% moisture content) may vary depending on specific conditions & impurities	
Wheat, barley, rye, sorghum	120 t/h
Peas, maize, soya bean	100 t/h
Paddy rice	40-50 t/h
<b>Pre cleaning:</b> (max. 15% moisture content)	
Wheat	150 t/h
<b>Industrial cleaning capacity:</b> (max 15% mc.) may vary on specific demands and conditions	
Wheat, maize, barley, soya, rye, sorghum	80 t/h
Rape seed	40 t/h
Paddy rice	20 t/h
Peas	60 t/h
Malting Barley, white rice	25 t/h
<b>Dimensions:</b>	
Machine total height (including inlet hopper)	4385 mm
Machine height	4075 mm
Machine length	4175 mm
Machine width	2645 mm
Screen area	12.0 m <sup>2</sup>
Square outlet Q-pipes	160 x 160 mm
<b>Motors:</b> (standard)	
Shaker feeder (variable speed)	0.75 kW
Pre suction fan	3.0 kW
After suction fan	4.0 kW
Screen shoes	3.0 kW
<b>Air volume:</b>	
Internal air volume (pre- and after suction)	16.000 m <sup>3</sup> /H
External suction (60 mm WG)	3.600 m <sup>3</sup> /H
<b>Total weight of the cleaner:</b>	
Freight volume	50 m <sup>3</sup>
Dynamic loading at	4.6 - 4.8 Hz:
PH= +/- 470 N	PV= +/- 1830 N
	10 N = 1 kg

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

Copyright © - The right to alterations is reserved

