Cimbria Pre Cleaner type 159 has been developed for the high capacity pre-cleaning of grain, peas, sunflower and rape seed and Industrial cleaning of Oilseed. The machine’s large screen area with its accurately matched stroke and frequency is complemented by Cimbria’s highly efficient 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**
   A precise adjustable airflow from the suction system removes dust and fines from the incoming product and discharge it in the screw conveyor outlet.

3. **Pre suction Air Velocity**
   can be adjusted to the specific product

4. **Screens** (L x W = 0.8 x 1250 mm)
   The screen flow is fixed with one sift and two scalping screens in each row.

5. **Eccentric Drive System for Screen Boats**
   Is delivered with fixed speed.

6. **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.

7. **After Suction**
   A precise adjustable airflow from the suction system removes light particles from the product flow before it leaves the machine. The lights are lifted to the screw conveyor outlet.

8. **Clean product outlet**

9. **False air intakes (2)** for adjust of air quantity in pre- and after suction systems.

10. **Central Aspiration connection** for negative pressure inside the machine.

11. **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.

### Pre Cleaning Capacity

- Wheat, barley, rye, sorghum: 200 t/h
- Peas, maize, soya bean: 180 t/h
- Paddy rice: 80 t/h
- Sunflower: (14% moisture content) 80 t/h

### Industrial Cleaning Capacity

- Rape seed from 5-2% purity: 80 t/h
- Sunflower from 4-2% purity: 80 t/h

### Dimensions:

- Machine total height (including inlet hopper): 5.085 mm
- Machine height: 4.630 mm
- Machine length: 4.315 mm
- Machine width: 2.420 mm
- Screen area: 24 m²
- Square outlet Q-pipes: 200 x 200 & 240 x 240 mm

### Motors:

- Screens: 3.0 kW
- Shaker feeder: 1.5 kW

### Air Volume:

- External suction (60 mm WG): 10-16.000 m³/H

### Total Weight of the Cleaner:

- 8.225 kg

### Dynamic Loading:

- PH= +/- 1320 N
- PV= +/- 3760 N
- 10 N = 1 kg

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