

# DATA SHEET

## FACET Grain Cleaner FMC 150/200/2



The **FACET Grain Cleaner Model FMC 150/200/2** is a compact, easy to operate, versatile machine which can be used as a Fine Cleaner or Pre-cleaner. It is designed to separate and remove impurities from a variety of grains such as wheat, maize, soya, barley etc by means of a large screening area in conjunction with an air separation system. The machine is manufactured in heavy gauge mild steel resulting in a rigid construction which is virtually vibration free.

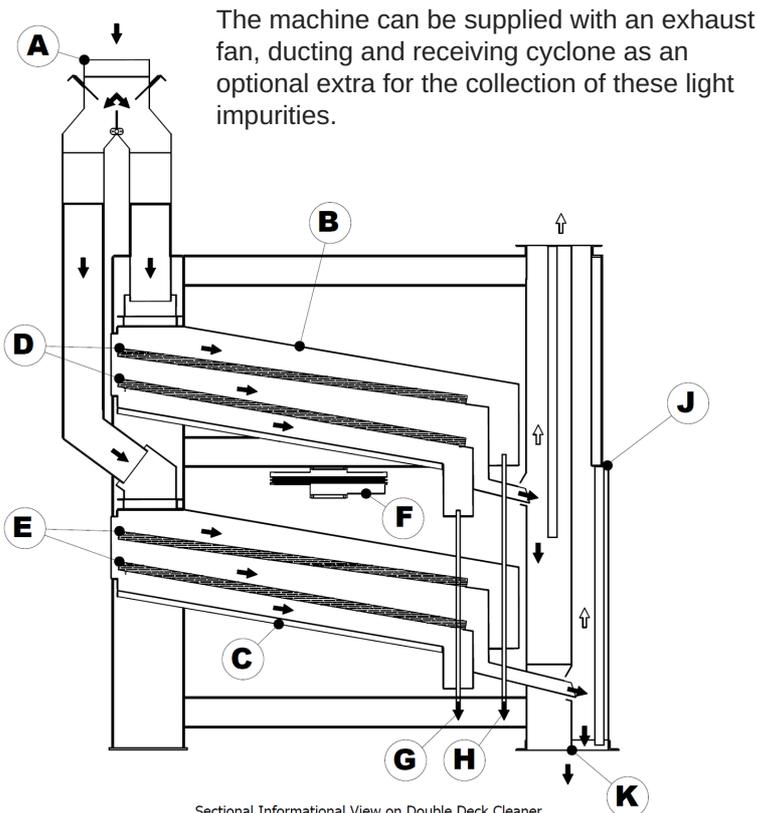
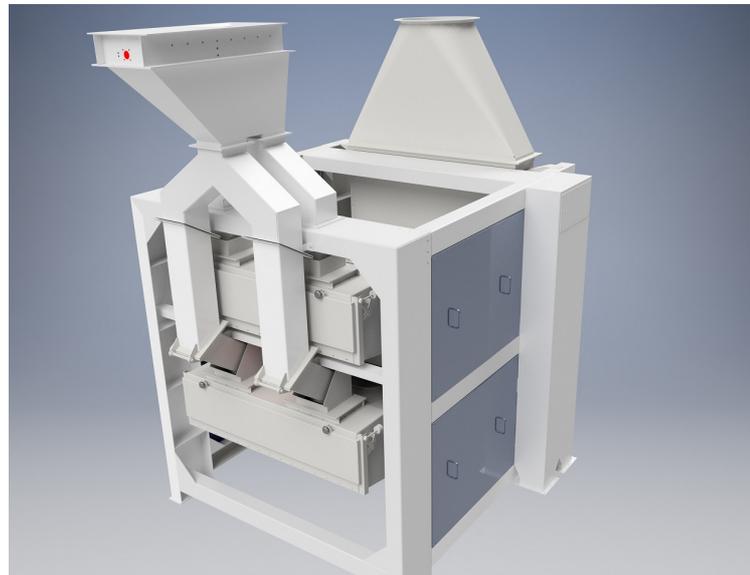
The product is fed into the machine via an inlet (A) and, with the aid of control gates, is split equally into two decks each housing sets of screens over which the product passes. The decks (B) and (C) are suspended on special fibreglass rods and oscillate together in parallel via a common eccentric fly wheel system, located strategically in the centre of the machine.

The interchangeable screens (D) and (E) are self-cleaning with the aid of rubber balls and are made of European Beech wood, are insect and moisture resistant and fitted with steel perforated screens to suit the grain to be cleaned.

The specific angle along with the oscillating oval movement of the deck, produces optimum separation flow of grain over the screens. During which time the large (overs) and small (fines) impurities are removed and exit the machine via common chutes (G) and (H). The remaining 'good' product passes into the air separation channel (J) where light impurities are removed before exiting the cleaner via outlet (K).

### Features include:

- Inspection windows positioned above each deck to check product separation.
- Easily removable screens for maintenance and screen change.
- Common impurities outlet chute - can be LH or RH.
- Adjustable window for control of air speed for the removal of light impurities.
- Vibration free to substructure.
- Low power consumption.



### CAPACITY

Pre-cleaning - Wheat	110 - 120 t/h
Pre-cleaning - Maize	100 - 110 t/h
<i>Capacity is based on grain with a maximum moisture of 18% and maximum impurities of 5%.</i>	
For Fine cleaning - capacities to be confirmed.	
*Capacities will alter for different grains	

### DIMENSIONS

Height to top of cleaner	2450 mm
Height to inlet	3300 mm
Length	2300 mm
Width	2680 mm

### MOTORS

Screen drive	1,5 kW
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### ACCESSORIES

Exhaust fan FA55	22 kW
Cyclone FC160	14 700 m <sup>3</sup> /h
Galvanised Ducting	

### WEIGHT

2750 kg