

# DATA SHEET

## FACET Grain Cleaner FMC 150/200



The **FACET Grain Cleaner Model FMC 150/200** 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.

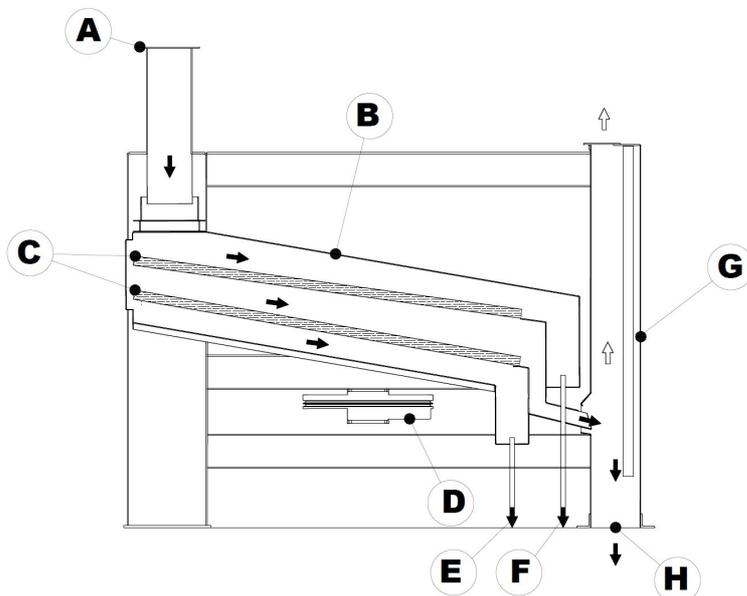
The product is fed into the machine via an inlet (A) and spread onto a set of screens (C) over which the product passes. The deck (B) is suspended on special fibreglass rods and oscillates via an eccentric fly wheel system, located strategically in the centre of the machine.

The interchangeable screens (C) 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 (E) and (F).

The remaining 'good' product passes into the air separation channel (G) where light impurities are removed before exiting the cleaner via outlet (H).

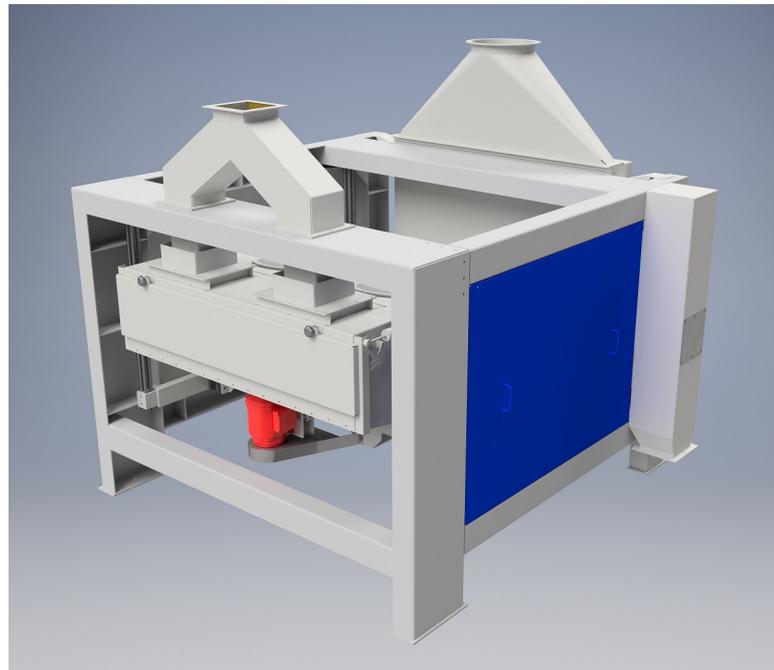
The machine can be supplied with an exhaust fan, ducting and receiving cyclone as an optional extra for the collection of these light impurities.



Sectional Informational View on Single Deck Cleaner

### 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 - Maize, Wheat 50 - 60 t/h  
*Capacity is based on grain with a maximum moisture of 18% and maximum impurities of 5%.*

Fine cleaning - Maize, Wheat 25 - 30 t/h  
*Capacity is based on grain with a maximum moisture of 13% and maximum impurities of 3%.*

\*Capacities will alter for different grains

### DIMENSIONS

Height to top of cleaner 2450 mm  
Height to inlet 3300 mm  
Length 2296 mm  
Width 2680 mm

### MOTORS

Screen drive 1,5 kW

### ACCESSORIES

Exhaust fan FA40 11 kW  
Cyclone FC100 9 000 m<sup>3</sup>/h  
Ducting

### WEIGHT

1850 kg